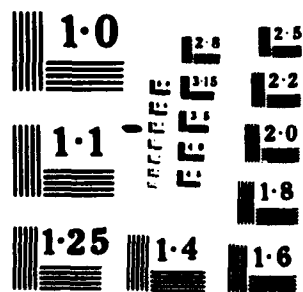


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AD-A151 678

DTIC ACCESSION NUMBER

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INVENTORY

SMOS, Misawa, Japan
DOCUMENT IDENTIFICATION *march 1985*

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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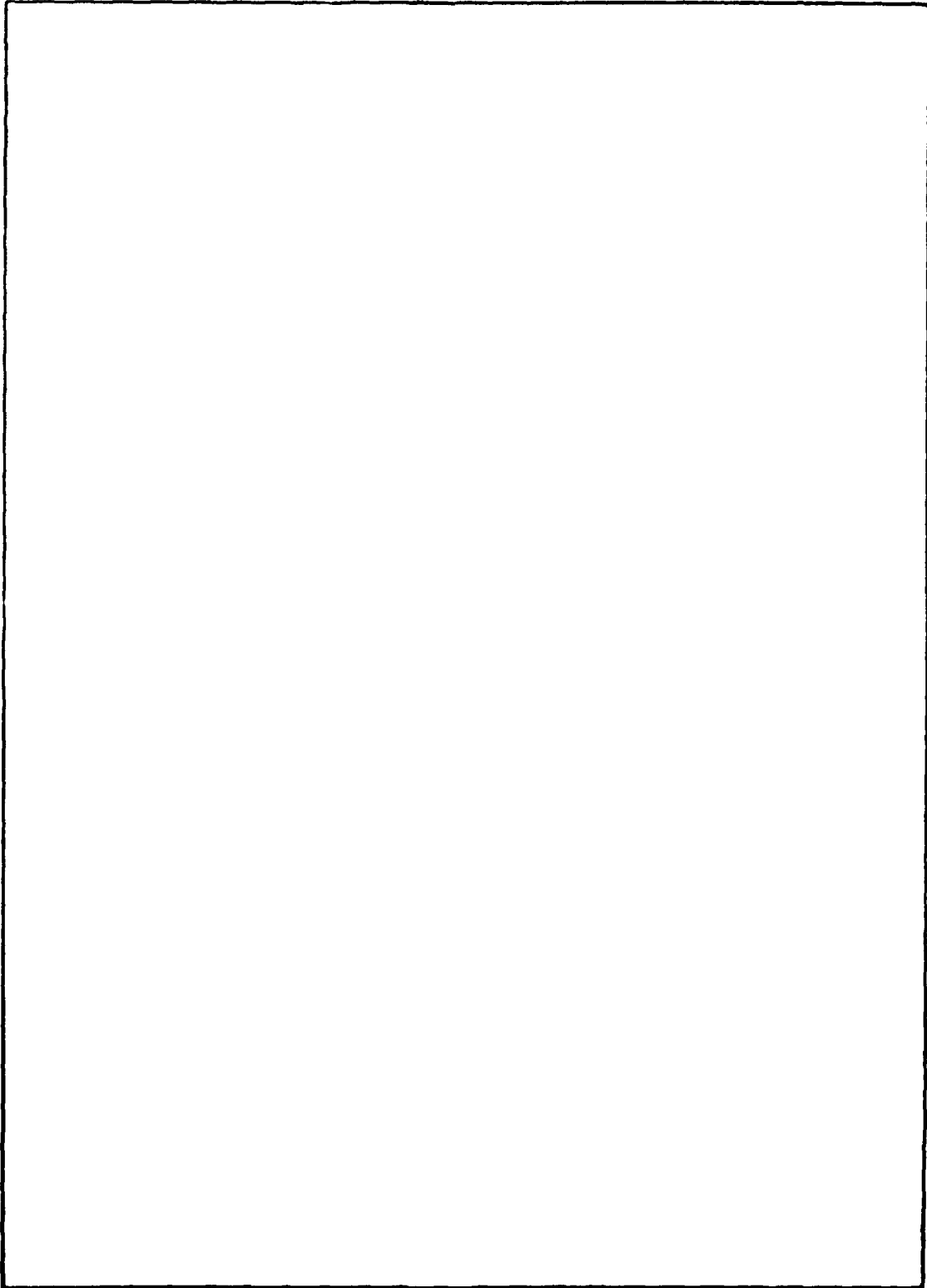
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This summary is based primarily on data derived from telecommunications sources. Most tables in this update are based on the period of record (POR) 1973 through 1982. However, a few tables are based on earlier POR's, because Summary of the Day data is not available from telecommunications sources. All available data through 1982 was used for extreme values. In producing these tables, it was assumed that all cloud cover was opaque.

This summary should be retained by individual stations along with previous SMOS. The retention of these summaries will provide the most comprehensive climatological file for your station.

Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals.

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCDD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SUMMARY 44402		STATION NAME Misawa AB, Japan		LATITUDE 40°41'N		LONGITUDE 141°23'E		STATION ELEV (FT) 119		CALL SIGN RJSM		WMO NUMBER 47580	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FEET	TYPE BAROMETER					
1.	Furumaki, Honshu	AF	1948	1971	40°42'N	141°22'E	UNK		24				
2.	" "	JASDF	1971	1977	40°41'N	141°23'E							
3a.	" "	"	1978	1980	"	"	16	Aneroid					
4a.	" "	"	1978	1980	"	"	16	Marine					
3b.	" "	"	1981	1981	"	"	15	AN					
4b.	" "	"	1981	1981	"	"	15	Marine					
3c.	" "	"	1982	1984	"	"	5	AN					
4c.	" "	"	1982	1984	"	"	3	Marine					
3d.	" "	"	1984		"	"	9	AN					
4d.	" "	"	1984		"	"	7	Marine					
<p>Note: Hourly data for the period 1968 through 1971 was taken from telecommunication sources. Maximum visibility reported via this source was 7 miles.</p> <p>Weather instrumentation belongs to the Japanese Air Self Defense Force (JASDF)</p>													
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1.	April 53	200 yards N of station	AN/GMQ-1	None	14'								
2.	May 55	570' NNE of ob tower	"	"	10'								
3.	Jan 61	200' N of runway center 5/8 mile NE of station	AN/GMQ-11	RO-2	12'								

MOCD, Federal Building
Asheville, NC

PART A

WEATHER CONDITIONS

This summary is a brief tabular frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from the ground observations, and is presented in three tables as follows:

1. Obscuration - Includes all conditions which obscure vision.

2. Clouds - Includes all clouds and their frequency, and wind direction.

3. Precipitation - Includes all precipitation and its frequency.

4. Other - Includes all other weather conditions which are reported in the form and listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Non-freezing drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an exposed surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Blowing dust and/or sand - Included are blowing dust, blowing sand, and dust.

Percentage of observations with restricted visibility - If reported, is not shown in a separate category in this format and is shown in the category "Percentage of observations with restricted visibility".

Percentage of observations with restrictions to vision - Included in this category are the observations in which one or more of the above restrictions to vision occurred. Since more than one type of restriction may be reported for one observation, the sum of the individual categories may exceed the percentage of observations with restricted visibility. If precipitation may reduce visibility, it is not considered an restriction to vision; therefore, the percentage total of restrictions to vision need not equal the percentage of observations with reduced visibility.

The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100% due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary, the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBSC TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "A Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

STATION 21 4-77, 78-1 ALL
 STATION NAME YEARS MONTH
 STATE OF TEXAS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1	21	.0	21.4	.1	5.9	.4	22.1	12.9	7.2	22.3		77.2	37
2	21		1.4	.4	5.7	.3	28.1	14.3	1.3	18.4		35.9	72
3	21	.1	21.1	.3	22.7	.5	24.1	20.4	14.2	7.5	.1	34.3	34
4	21	.0	21.0	.1	13.1	.3	23.4	22.7	21.0	.5	1.4	44.4	72
5	21	.0	40.3	.1	.4	.4	43.4	40.1	13.8		1.1	56.6	36
6	21	.1	21.4			.1	20.1	23.3	22.3			70.4	77
7	21	.1	41.4			.1	20.7	20.1	23.4			24.5	34
8	21	.0	28.7				27.2	24.1	24.4		.2	23.3	36
9	21	.1	.7				21.2	47.1	10.2		.1	20.5	72
10	21	.0	25.7		1.7	.1	23.7	24.6	11.9			20.2	6
11	21	.0	29.4		26.2	.1	29.1	15.9	15.4	2.3		20.1	72
12	21	.1	22.3	.4	14.5	.5	21.9	13.2	2.6	3.3	.1	25.3	36
TOTALS		.1	43.2	.1	22.7	.2	25.4	27.8	17.4	4.6	.3	47.8	353

NAVWEASERVCOM

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

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STATION NAME

77483

MONTH

LONG RANGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
LST | THUNDER
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN | | | 6.7 | | 19.7 | | 42.5 | .3 | | | | | 70 |
| FEB | | | 7.4 | | 41.4 | | 43.8 | 1.7 | | | | 1.7 | 71 |
| MAR | | | 7.1 | | 41.7 | | 42.6 | .3 | | | | .3 | 71 |
| APR | | | 3.7 | | 34.5 | | 42.2 | 1.1 | | .7 | | 1.4 | 74 |
| MAY | 1 | | 4. | | 39.7 | | 43.3 | .3 | .3 | .3 | | 1.7 | 77 |
| JUN | 1 | | 4. | | 40.7 | | 43.8 | | .3 | | | .7 | 75 |
| JUL | 1 | | 4. | | 35. | | 35.5 | .7 | | | | .7 | 74 |
| AUG | 1 | | 5.7 | | 34. | | 42.3 | 1.7 | | | | 1.7 | 77 |
| SEPT | | | | | | | | | | | | | 70 |
| OCT | | | | | | | | | | | | | 70 |
| NOV | | | | | | | | | | | | | 70 |
| DEC | | | | | | | | | | | | | 70 |
| TOTALS | | | 4. | | 34.7 | | 42.5 | .7 | .1 | .1 | | .5 | 247 |

NAVWEASERVCOM

| DATE | STATE | YEAR | MONTH |
|------|----------|------|-------|
| 1960 | NEW YORK | 1960 | 1960 |

NAVWEASERVCOM

U. S. A. 1071-0 024 12 1482

[illegible]

TOTAL NUMBER OF OBSERVATIONS

• 312

JANUARY 1977-DECEMBER 1982 FEBRUARY

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

JANUARY 1973-0 DECEMBER 1962 JANUARY

| WIND DIRECTION | WIND SPEED | WEATHER | PERCENTAGE FREQUENCY | WIND DIRECTION | WIND SPEED | WEATHER | PERCENTAGE FREQUENCY |
|----------------|------------|---------|----------------------|----------------|------------|---------|----------------------|
| 0 | 0 | 0 | 1.1 | 0 | 0 | 0 | 64.4 |
| 0 | 0 | 0 | 7.3 | 0 | 0 | 0 | 53.5 |
| 0 | 0 | 0 | 10.5 | 0 | 0 | 0 | 50.0 |
| 0 | 0 | 0 | 14.9 | 0 | 0 | 0 | 11.1 |
| 0 | 0 | 0 | 34.4 | 0 | 0 | 0 | 46.7 |
| 0 | 0 | 0 | 36.1 | 0 | 0 | 0 | 24.7 |
| 0 | 0 | 0 | 13.0 | 0 | 0 | 0 | 15.0 |
| 0 | 0 | 0 | 12.6 | 0 | 0 | 0 | 77.4 |
| 0 | 0 | 0 | 10.2 | 0 | 0 | 0 | 76.1 |
| 0 | 0 | 0 | 15.3 | 0 | 0 | 0 | 72.1 |
| 0 | 0 | 0 | 24.1 | 0 | 0 | 0 | 74.1 |
| 0 | 0 | 0 | 33.6 | 0 | 0 | 0 | 79.8 |
| 0 | 0 | 0 | 12.5 | 0 | 0 | 0 | 46.1 |
| 0 | 0 | 0 | 11.4 | 0 | 0 | 0 | 46.7 |
| 0 | 0 | 0 | 45.1 | 0 | 0 | 0 | 52.3 |
| 0 | 0 | 0 | 19.2 | 0 | 0 | 0 | 54.1 |
| 0 | 0 | 0 | 34.7 | 0 | 0 | 0 | 50.6 |
| 0 | 0 | 0 | 94 | 0 | 0 | 0 | 110 |
| 0 | 0 | 0 | 10.2 | 0 | 0 | 0 | 56.1 |

TOTAL NUMBER OF OBSERVATIONS

1,331

WEATHER CONDITIONS

STATION 1014, JAPAN

7-87

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
LST | THUNDER-
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS |
|--------|--------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| ALL | | | 4.0 | | 39.5 | | 42.6 | .7 | .1 | .1 | | .8 | 2407 |
| | | | 2.1 | | 28.5 | | 41.9 | 1.2 | .7 | | | 1.4 | 217 |
| | | .1 | 7.1 | | 23.4 | .0 | 29.8 | 2.3 | 1.0 | | | 4.3 | 2731 |
| | | | 13.0 | | 2.7 | | 15.4 | 9.3 | 1.3 | | .4 | 17.7 | 2317 |
| | | .1 | 17.4 | | | | 15.4 | 11.2 | 1.3 | | .2 | 12.7 | 241 |
| | | .4 | 21.7 | | | | 21.7 | 27.8 | 1.1 | | | 29.9 | 2275 |
| | | .4 | 17.5 | | | | 17.6 | 29.8 | 3.4 | | .1 | 33.2 | 2412 |
| | | .8 | 16.9 | | | | 16.1 | 27.6 | 1.7 | | | 20.2 | 2401 |
| | | .3 | 11.6 | | | | 15.6 | 9.1 | 1.2 | | | 9.7 | 2351 |
| | | .1 | 13.1 | | | | 13.1 | 5.9 | 1.3 | | | 7.1 | 2425 |
| | | .1 | 14.1 | | 10.1 | | 24.4 | 1.1 | 2.1 | | | 7.2 | 2367 |
| | | .0 | 8.9 | .0 | 28.9 | | 38.2 | .7 | .3 | .0 | | 1.0 | 2421 |
| TOTALS | | .2 | 12.3 | .0 | 11.1 | .0 | 24.3 | 9.9 | 1.3 | .0 | .0 | 11.3 | 29355 |

WEATHER CONDITIONS

64 5 9 10-5

5769-04

STATION NAME

• 1409 •

• • •

1. THE STATE OF TEXAS, County of EL PASO, do hereby certify that JOSEPH A. GARCIA is the duly qualified and acting Sheriff of said County.

[illegible]

NAVWEASERVCOM

WEATHER CONDITIONS

.. . . .

7-10

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STAT ON

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
1 ST : | THUNDER-
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS |
|--------|-----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| | | | 12.6 | | 9.1 | | 21.5 | 1.3 | 1.3 | | | 2.7 | 297 |
| | | .3 | 16.1 | | 12.7 | | 22.1 | 1.3 | 1.3 | | | 2.7 | 299 |
| | | | 14.6 | | 10.3 | | 24.4 | 1.3 | 1.3 | | | 2.6 | 297 |
| | | .3 | 15.1 | | 11.2 | | 26.0 | 1.4 | 1.3 | | | 2.4 | 297 |
| 1 | | | 13.9 | | 9.2 | | 22.7 | .3 | | | | .3 | 295 |
| 1 | | | 12.6 | | 11.1 | | 23.6 | | .7 | | | .7 | 296 |
| 1 | | .3 | 14.6 | | 9.2 | | 23.4 | .3 | 4.4 | | | 6.8 | 297 |
| 1 | | | 15.1 | | 8.6 | | 23.7 | 3.1 | 4.5 | | | 7.6 | 291 |
| TOTALS | | .1 | 14.6 | | 10.3 | | 24.4 | 1.1 | 2.6 | | | 3.2 | 2367 |

NAYWEASERVCOM

WEATHER CONDITIONS

STATION NAME

STATION NAME

YEARS

YEARS

MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
(LST) | THUNDER-
STORMS | RAIN
AND/OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND/OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND/OR
HAZE | BLOWING
SNOW | DUST
AND/OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| 7 | | .3 | 14.5 | | | | 14.5 | 1.5 | 1.0 | | | 11.0 | 303 |
| 8 | | .3 | 16.2 | | | | 16.2 | 8.3 | .3 | | | 9.6 | 303 |
| 9 | | | 14.1 | | | | 14.1 | 4.9 | 1.0 | | | 9.9 | 304 |
| 10 | | | 11.1 | | | | 11.1 | 4.4 | 1.0 | | | 6.4 | 297 |
| 11 | | .3 | 13.7 | | | | 13.7 | .7 | | | | .7 | 307 |
| 12 | | | 12.6 | | | | 12.6 | .7 | 1.0 | | | 1.7 | 302 |
| 1 | | | 14.1 | | | | 14.1 | 4.9 | 2.0 | | | 7.8 | 306 |
| 2 | | | 13.2 | | | | 13.2 | 6.6 | 3.3 | | | 11.9 | 303 |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| TOTALS | | .1 | 13.0 | | | | 13.0 | 5.9 | 1.5 | | | 7.2 | 2425 |

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME YOKOSUKA, JAPAN

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
(LST) | THUNDER-
STORMS | RAIN
AND/OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND/OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND/OR
HAZE | BLOWING
SNOW | DUST
AND/OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| | 00 | | 17.6 | | | | 17.6 | 13.9 | .7 | | | 14.6 | 290 |
| | 01 | .7 | 20.3 | | | | 20.3 | 14.6 | .3 | | | 15.1 | 291 |
| | 02 | | 16.1 | | | | 16.1 | 9.7 | .7 | | | 10.4 | 298 |
| | 03 | | 16.3 | | | | 16.3 | 9.5 | 1.7 | | | 7.3 | 289 |
| | 04 | | 15.5 | | | | 15.5 | 2.0 | 1.7 | | | 3.7 | 297 |
| | 05 | .7 | 15.5 | | | | 15.5 | 2.1 | 2.1 | | | 4.1 | 291 |
| | 06 | .3 | 14.6 | | | | 14.6 | 9.8 | 2.0 | | | 7.8 | 295 |
| | 07 | .3 | 16.9 | | | | 16.9 | 1.5 | .7 | | | 11.2 | 295 |
| | 08 | | | | | | | | | | | | |
| | 09 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | |
| TOTALS | | .3 | 16.6 | | | | 16.6 | 8.0 | 1.2 | | | 9.3 | 2351 |

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME

73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
(LST) | THUNDER-
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO OF
OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JUL | 10 | .3 | 17.4 | | | | 17.4 | 43.6 | .7 | | | 44.3 | 305 |
| | 00 | .3 | 19.3 | | | | 19.3 | 44.1 | .7 | | | 44.7 | 310 |
| | 01 | | 20.1 | | | | 20.1 | 45.1 | 1.7 | | | 41.9 | 299 |
| | 02 | | 19.1 | | | | 19.1 | 23.5 | 4.8 | | .3 | 28.7 | 293 |
| | 1 | | 13.4 | | | | 13.4 | 12.6 | 6.0 | | | 18.5 | 302 |
| | 10 | 1.3 | 16.7 | | | | 16.7 | 12.3 | 5.0 | | | 17.3 | 300 |
| | 11 | 1.0 | 17.4 | | | | 17.2 | 23.2 | 4.0 | | | 27.2 | 302 |
| | 21 | .3 | 16.2 | | | | 16.2 | 39.2 | 4.0 | | | 43.2 | 301 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .4 | 17.6 | | | | 17.6 | 29.8 | 3.4 | | .0 | 33.2 | 2402 |

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME: 73-42 YEAR: JAN MONTH: JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
(LST) | THUNDER-
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO OF
OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JAN | 1 | .3 | 20.3 | | | | 20.3 | 39.9 | .7 | | | 40.6 | 234 |
| | 2 | .4 | 23.7 | | | | 23.9 | 37.5 | | | | 37.5 | 285 |
| | 3 | .4 | 22.5 | | | | 22.5 | 34.0 | .4 | | | 34.4 | 285 |
| | 4 | | 20.4 | | | | 20.4 | 24.0 | .7 | | | 24.7 | 271 |
| | 5 | | 20.1 | | | | 20.1 | 14.6 | 2.5 | | | 17.3 | 244 |
| | 6 | 1.7 | 24.2 | | | | 24.2 | 11.8 | 1.7 | | | 13.5 | 289 |
| | 7 | | 21.5 | | | | 21.5 | 22.2 | 1.7 | | | 24.0 | 268 |
| | 8 | | 20.3 | | | | 20.3 | 37.8 | 1.0 | | | 38.8 | 266 |
| | 9 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | |
| TOTALS | | .4 | 21.7 | | | | 21.7 | 27.8 | 1.1 | | | 28.9 | 2278 |

WEATHER CONDITIONS

STATION NAME

17-52

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
(LST) | THUNDER-
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO OF
OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| | | | 15.4 | | | | 15.4 | 16.6 | .6 | | | 17.2 | 305 |
| | | | 18.6 | | | | 18.6 | 21.6 | .3 | | | 21.9 | 306 |
| | | | 15.5 | | | | 15.5 | 15.2 | .3 | | | 13.5 | 300 |
| | | | 14.5 | | | | 14.5 | 5.4 | 2.0 | | .3 | 10.7 | 298 |
| | 10 | 1.0 | 14.1 | | | | 14.1 | 3.7 | 2.0 | | .3 | 6.1 | 297 |
| | 11 | | 12.7 | | | | 12.0 | 5.0 | 1.7 | | .7 | 7.3 | 300 |
| | 1 | | 14.5 | | | | 14.5 | 5.9 | 1.0 | | | 7.9 | 304 |
| | 01 | | 17.3 | | | | 17.3 | 14.3 | 2.3 | | | 16.6 | 301 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 15.4 | | | | 15.4 | 11.2 | 1.3 | | .2 | 12.7 | 2410 |

WEATHER CONDITIONS

STATION NAME

17-00

APC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
LST | THUNDER-
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS |
|--------|--------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| 10 | 00 | | 11.1 | | 2.4 | | 14.2 | 12.2 | 1.4 | | | 13.5 | 288 |
| | 01 | | 12.2 | | 2.4 | | 14.4 | 15.1 | 1.1 | | | 16.2 | 284 |
| | | | 14.7 | | 1.5 | | 16.1 | 11.3 | 1.4 | | .3 | 13.0 | 292 |
| | | | 15.5 | | 3.8 | | 17.3 | 8.1 | 4.2 | | .4 | 10.6 | 284 |
| | 1 | | 15.7 | | 2.4 | | 15.1 | 2.1 | 2.4 | | 1.7 | 6.2 | 292 |
| | 15 | | 12.2 | | 4.5 | | 14.0 | 3.1 | 1.4 | | .7 | 5.2 | 288 |
| | 16 | | 15.1 | | 3.1 | | 17.2 | 6.2 | 1.7 | | | 7.9 | 291 |
| | 17 | | 11.6 | | 2.1 | | 13.7 | 12.3 | .7 | | | 12.0 | 284 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 13.7 | | 2.7 | | 15.4 | 8.5 | 1.8 | | .4 | 10.7 | 2333 |

NAVWEASERVCOM

WEATHER CONDITIONS

STATION NAME

STATION NAME

73-82

YEARS

MA

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS
(EST) | THUNDER-
STORMS | RAIN
AND OR
DRIZZLE | FREEZING
RAIN & OR
DRIZZLE | SNOW
AND OR
SLEET | HAIL | % OF
OBS WITH
PRECIP. | FOG | SMOKE
AND OR
HAZE | BLOWING
SNOW | DUST
AND OR
SAND | % OF OBS
WITH OBST
TO VISION | TOTAL
NO. OF
OBS |
|--------|----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| MAR | 1 | | 7.7 | | 17.0 | | 34.7 | 3.7 | 1.3 | | | 5.0 | 300 |
| | 2 | | 6.1 | | 24.0 | | 29.1 | 4.4 | 1.0 | | | 5.4 | 298 |
| | 3 | | 6.0 | | 22.0 | | 29.7 | 3.3 | 1.0 | | | 4.3 | 300 |
| | 4 | | 7.0 | | 22.3 | | 29.7 | 4.7 | 1.7 | | | 6.3 | 300 |
| | 5 | | 7.0 | | 23.0 | | 29.5 | 2.7 | 1.0 | | | 3.7 | 298 |
| | 6 | .3 | 6.7 | | 27.1 | .3 | 29.6 | 1.0 | 1.0 | | | 2.0 | 294 |
| | 7 | | 7.0 | | 25.3 | | 25.9 | 1.0 | 1.0 | | | 4.0 | 301 |
| | 8 | .3 | 6.9 | | 24.0 | | 31.0 | 3.3 | .3 | | | 3.6 | 302 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 7.6 | | 23.4 | .0 | 29.8 | 3.3 | 1.0 | | | 4.3 | 2391 |

II

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14-5 OSAKA, JAPAN

JANUARY 1973-DECEMBER 1982

APRIL

| WIND
DIRECTION | RAIN | RAIN
SHOWERS | DRIZZLE | FREEZING
RAIN
FREEZING
DRIZZLE | THUNDER
SHOWERS
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIR
STARS
HAIR | THUNDER | FOG | ICE FOG
GROUND
FOG | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------|-----------------|---------|---|--------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 17.1 | 2.1 | 3.6 | | | 1.0 | | | 12.5 | | 1.8 | | | 55.4 |
| NNE | 1.1 | 12.1 | | | | 3.0 | | | 21.2 | | | | | 54.5 |
| NNE | .2 | 0.1 | | | | 3.0 | | | 27.3 | | | | | 48.5 |
| ENE | 1.5 | 5.4 | | | | 19.6 | | | 8.9 | | 3.6 | | | 55.4 |
| E | 14.7 | .7 | 4.1 | | | 9.2 | | | 14.7 | | 4.7 | | | 56.5 |
| ESE | 17.7 | .4 | 4.2 | | | 2.1 | | | 8.1 | | 3.7 | | | 56.5 |
| ESE | .9 | | 2.5 | | | 1.3 | | | 13.8 | | 1.3 | | | 64.2 |
| ESE | .6 | 1.9 | | | | | | | 13.3 | | 7.4 | | | 72.2 |
| S | 1.3 | 3.5 | | | | | | | 7.9 | | 1.8 | | | 74.6 |
| SSW | .7 | 2.6 | | | | | | | 6.0 | | 1.7 | | | 85.5 |
| SW | 1.1 | 5.1 | | | | | | | 4.3 | | 2.3 | | .6 | 86.4 |
| WSW | .2 | 3.5 | .8 | | | 2.4 | | | 4.1 | | 1.2 | | 1.2 | 80.9 |
| W | 1.1 | 5.7 | | | | 1.6 | | | 6.0 | | .3 | | 1.3 | 83.8 |
| WNW | .7 | 8.6 | | | | 3.8 | | | 1.8 | | | | .5 | 83.8 |
| WNA | .7 | 5.4 | 1.8 | | | 4.5 | | | 3.8 | | .9 | | | 76.8 |
| NNW | 1.3 | 10.3 | 4.4 | | | 2.9 | | | 11.2 | | 1.5 | | | 58.8 |
| VARIABLE | | | | | | | | | 23.0 | | 4.1 | | | 51.7 |
| TOTAL | 100 | 174 | 30 | | | 61 | | | 161 | | 39 | | 9 | 1619 |
| PERCENT | 7.4 | 8.7 | 1.4 | | | 2.8 | | | 8.2 | | 1.8 | | .4 | 73.7 |

TOTAL NUMBER OF OBSERVATIONS 2,198

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

| JANUARY 1973-DECEMBER 1982 | | | | MAY | | | |
|----------------------------|------------|------------|-----------|----------------|------------|------------|-----------|
| WIND DIRECTION | WIND SPEED | WIND FORCE | WIND TYPE | WIND DIRECTION | WIND SPEED | WIND FORCE | WIND TYPE |
| 0-90 | 0-10 | 0-10 | 0-10 | 0-90 | 0-10 | 0-10 | 0-10 |
| 100-180 | 10-20 | 10-20 | 10-20 | 100-180 | 10-20 | 10-20 | 10-20 |
| 190-270 | 20-30 | 20-30 | 20-30 | 190-270 | 20-30 | 20-30 | 20-30 |
| 280-360 | 30-40 | 30-40 | 30-40 | 280-360 | 30-40 | 30-40 | 30-40 |
| 0-90 | 10-20 | 10-20 | 10-20 | 0-90 | 10-20 | 10-20 | 10-20 |
| 100-180 | 20-30 | 20-30 | 20-30 | 100-180 | 20-30 | 20-30 | 20-30 |
| 190-270 | 30-40 | 30-40 | 30-40 | 190-270 | 30-40 | 30-40 | 30-40 |
| 280-360 | 40-50 | 40-50 | 40-50 | 280-360 | 40-50 | 40-50 | 40-50 |
| 0-90 | 50-60 | 50-60 | 50-60 | 0-90 | 50-60 | 50-60 | 50-60 |
| 100-180 | 60-70 | 60-70 | 60-70 | 100-180 | 60-70 | 60-70 | 60-70 |
| 190-270 | 70-80 | 70-80 | 70-80 | 190-270 | 70-80 | 70-80 | 70-80 |
| 280-360 | 80-90 | 80-90 | 80-90 | 280-360 | 80-90 | 80-90 | 80-90 |
| 0-90 | 90-100 | 90-100 | 90-100 | 0-90 | 90-100 | 90-100 | 90-100 |
| 100-180 | 100-110 | 100-110 | 100-110 | 100-180 | 100-110 | 100-110 | 100-110 |
| 190-270 | 110-120 | 110-120 | 110-120 | 190-270 | 110-120 | 110-120 | 110-120 |
| 280-360 | 120-130 | 120-130 | 120-130 | 280-360 | 120-130 | 120-130 | 120-130 |
| 0-90 | 130-140 | 130-140 | 130-140 | 0-90 | 130-140 | 130-140 | 130-140 |
| 100-180 | 140-150 | 140-150 | 140-150 | 100-180 | 140-150 | 140-150 | 140-150 |
| 190-270 | 150-160 | 150-160 | 150-160 | 190-270 | 150-160 | 150-160 | 150-160 |
| 280-360 | 160-170 | 160-170 | 160-170 | 280-360 | 160-170 | 160-170 | 160-170 |
| 0-90 | 170-180 | 170-180 | 170-180 | 0-90 | 170-180 | 170-180 | 170-180 |
| 100-180 | 180-190 | 180-190 | 180-190 | 100-180 | 180-190 | 180-190 | 180-190 |
| 190-270 | 190-200 | 190-200 | 190-200 | 190-270 | 190-200 | 190-200 | 190-200 |
| 280-360 | 200-210 | 200-210 | 200-210 | 280-360 | 200-210 | 200-210 | 200-210 |
| 0-90 | 210-220 | 210-220 | 210-220 | 0-90 | 210-220 | 210-220 | 210-220 |
| 100-180 | 220-230 | 220-230 | 220-230 | 100-180 | 220-230 | 220-230 | 220-230 |
| 190-270 | 230-240 | 230-240 | 230-240 | 190-270 | 230-240 | 230-240 | 230-240 |
| 280-360 | 240-250 | 240-250 | 240-250 | 280-360 | 240-250 | 240-250 | 240-250 |
| 0-90 | 250-260 | 250-260 | 250-260 | 0-90 | 250-260 | 250-260 | 250-260 |
| 100-180 | 260-270 | 260-270 | 260-270 | 100-180 | 260-270 | 260-270 | 260-270 |
| 190-270 | 270-280 | 270-280 | 270-280 | 190-270 | 270-280 | 270-280 | 270-280 |
| 280-360 | 280-290 | 280-290 | 280-290 | 280-360 | 280-290 | 280-290 | 280-290 |
| 0-90 | 290-300 | 290-300 | 290-300 | 0-90 | 290-300 | 290-300 | 290-300 |
| 100-180 | 300-310 | 300-310 | 300-310 | 100-180 | 300-310 | 300-310 | 300-310 |
| 190-270 | 310-320 | 310-320 | 310-320 | 190-270 | 310-320 | 310-320 | 310-320 |
| 280-360 | 320-330 | 320-330 | 320-330 | 280-360 | 320-330 | 320-330 | 320-330 |
| 0-90 | 330-340 | 330-340 | 330-340 | 0-90 | 330-340 | 330-340 | 330-340 |
| 100-180 | 340-350 | 340-350 | 340-350 | 100-180 | 340-350 | 340-350 | 340-350 |
| 190-270 | 350-360 | 350-360 | 350-360 | 190-270 | 350-360 | 350-360 | 350-360 |
| 280-360 | 360-370 | 360-370 | 360-370 | 280-360 | 360-370 | 360-370 | 360-370 |
| 0-90 | 370-380 | 370-380 | 370-380 | 0-90 | 370-380 | 370-380 | 370-380 |
| 100-180 | 380-390 | 380-390 | 380-390 | 100-180 | 380-390 | 380-390 | 380-390 |
| 190-270 | 390-400 | 390-400 | 390-400 | 190-270 | 390-400 | 390-400 | 390-400 |
| 280-360 | 400-410 | 400-410 | 400-410 | 280-360 | 400-410 | 400-410 | 400-410 |
| 0-90 | 410-420 | 410-420 | 410-420 | 0-90 | 410-420 | 410-420 | 410-420 |
| 100-180 | 420-430 | 420-430 | 420-430 | 100-180 | 420-430 | 420-430 | 420-430 |
| 190-270 | 430-440 | 430-440 | 430-440 | 190-270 | 430-440 | 430-440 | 430-440 |
| 280-360 | 440-450 | 440-450 | 440-450 | 280-360 | 440-450 | 440-450 | 440-450 |
| 0-90 | 450-460 | 450-460 | 450-460 | 0-90 | 450-460 | 450-460 | 450-460 |
| 100-180 | 460-470 | 460-470 | 460-470 | 100-180 | 460-470 | 460-470 | 460-470 |
| 190-270 | 470-480 | 470-480 | 470-480 | 190-270 | 470-480 | 470-480 | 470-480 |
| 280-360 | 480-490 | 480-490 | 480-490 | 280-360 | 480-490 | 480-490 | 480-490 |
| 0-90 | 490-500 | 490-500 | 490-500 | 0-90 | 490-500 | 490-500 | 490-500 |
| 100-180 | 500-510 | 500-510 | 500-510 | 100-180 | 500-510 | 500-510 | 500-510 |
| 190-270 | 510-520 | 510-520 | 510-520 | 190-270 | 510-520 | 510-520 | 510-520 |
| 280-360 | 520-530 | 520-530 | 520-530 | 280-360 | 520-530 | 520-530 | 520-530 |
| 0-90 | 530-540 | 530-540 | 530-540 | 0-90 | 530-540 | 530-540 | 530-540 |
| 100-180 | 540-550 | 540-550 | 540-550 | 100-180 | 540-550 | 540-550 | 540-550 |
| 190-270 | 550-560 | 550-560 | 550-560 | 190-270 | 550-560 | 550-560 | 550-560 |
| 280-360 | 560-570 | 560-570 | 560-570 | 280-360 | 560-570 | 560-570 | 560-570 |
| 0-90 | 570-580 | 570-580 | 570-580 | 0-90 | 570-580 | 570-580 | 570-580 |
| 100-180 | 580-590 | 580-590 | 580-590 | 100-180 | 580-590 | 580-590 | 580-590 |
| 190-270 | 590-600 | 590-600 | 590-600 | 190-270 | 590-600 | 590-600 | 590-600 |
| 280-360 | 600-610 | 600-610 | 600-610 | 280-360 | 600-610 | 600-610 | 600-610 |
| 0-90 | 610-620 | 610-620 | 610-620 | 0-90 | 610-620 | 610-620 | 610-620 |
| 100-180 | 620-630 | 620-630 | 620-630 | 100-180 | 620-630 | 620-630 | 620-630 |
| 190-270 | 630-640 | 630-640 | 630-640 | 190-270 | 630-640 | 630-640 | 630-640 |
| 280-360 | 640-650 | 640-650 | 640-650 | 280-360 | 640-650 | 640-650 | 640-650 |
| 0-90 | 650-660 | 650-660 | 650-660 | 0-90 | 650-660 | 650-660 | 650-660 |
| 100-180 | 660-670 | 660-670 | 660-670 | 100-180 | 660-670 | 660-670 | 660-670 |
| 190-270 | 670-680 | 670-680 | 670-680 | 190-270 | 670-680 | 670-680 | 670-680 |
| 280-360 | 680-690 | 680-690 | 680-690 | 280-360 | 680-690 | 680-690 | 680-690 |
| 0-90 | 690-700 | 690-700 | 690-700 | 0-90 | 690-700 | 690-700 | 690-700 |
| 100-180 | 700-710 | 700-710 | 700-710 | 100-180 | 700-710 | 700-710 | 700-710 |
| 190-270 | 710-720 | 710-720 | 710-720 | 190-270 | 710-720 | 710-720 | 710-720 |
| 280-360 | 720-730 | 720-730 | 720-730 | 280-360 | 720-730 | 720-730 | 720-730 |
| 0-90 | 730-740 | 730-740 | 730-740 | 0-90 | 730-740 | 730-740 | 730-740 |
| 100-180 | 740-750 | 740-750 | 740-750 | 100-180 | 740-750 | 740-750 | 740-750 |
| 190-270 | 750-760 | 750-760 | 750-760 | 190-270 | 750-760 | 750-760 | 750-760 |
| 280-360 | 760-770 | 760-770 | 760-770 | 280-360 | 760-770 | 760-770 | 760-770 |
| 0-90 | 770-780 | 770-780 | 770-780 | 0-90 | 770-780 | 770-780 | 770-780 |
| 100-180 | 780-790 | 780-790 | 780-790 | 100-180 | 780-790 | 780-790 | 780-790 |
| 190-270 | 790-800 | 790-800 | 790-800 | 190-270 | 790-800 | 790-800 | 790-800 |
| 280-360 | 800-810 | 800-810 | 800-810 | 280-360 | 800-810 | 800-810 | 800-810 |
| 0-90 | 810-820 | 810-820 | 810-820 | 0-90 | 810-820 | 810-820 | 810-820 |
| 100-180 | 820-830 | 820-830 | 820-830 | 100-180 | 820-830 | 820-830 | 820-830 |
| 190-270 | 830-840 | 830-840 | 830-840 | 190-270 | 830-840 | 830-840 | 830-840 |
| 280-360 | 840-850 | 840-850 | 840-850 | 280-360 | 840-850 | 840-850 | 840-850 |
| 0-90 | 850-860 | 850-860 | 850-860 | 0-90 | 850-860 | 850-860 | 850-860 |
| 100-180 | 860-870 | 860-870 | 860-870 | 100-180 | 860-870 | 860-870 | 860-870 |
| 190-270 | 870-880 | 870-880 | 870-880 | 190-270 | 870-880 | 870-880 | 870-880 |
| 280-360 | 880-890 | 880-890 | 880-890 | 280-360 | 880-890 | 880-890 | 880-890 |
| 0-90 | 890-900 | 890-900 | 890-900 | 0-90 | 890-900 | 890-900 | 890-900 |
| 100-180 | 900-910 | 900-910 | 900-910 | 100-180 | 900-910 | 900-910 | 900-910 |
| 190-270 | 910-920 | 910-920 | 910-920 | 190-270 | 910-920 | 910-920 | 910-920 |
| 280-360 | 920-930 | 920-930 | 920-930 | 280-360 | 920-930 | 920-930 | 920-930 |
| 0-90 | 930-940 | 930-940 | 930-940 | 0-90 | 930-940 | 930-940 | 930-940 |
| 100-180 | 940-950 | 940-950 | 940-950 | 100-180 | 940-950 | 940-950 | 940-950 |
| 190-270 | 950-960 | 950-960 | 950-960 | 190-270 | 950-960 | 950-960 | 950-960 |
| 280-360 | 960-970 | 960-970 | 960-970 | 280-360 | 960-970 | 960-970 | 960-970 |
| 0-90 | 970-980 | 970-980 | 970-980 | 0-90 | 970-980 | 970-980 | 970-980 |
| 100-180 | 980-990 | 980-990 | 980-990 | 100-180 | 980-990 | 980-990 | 980-990 |
| 190-270 | 990-1000 | 990-1000 | 990-1000 | 190-270 | 990-1000 | 990-1000 | 990-1000 |
| 280-360 | 1000-1010 | 1000-1010 | 1000-1010 | 280-360 | 1000-1010 | 1000-1010 | 1000-1010 |
| 0-90 | 1010-1020 | 1010-1020 | 1010-1020 | 0-90 | 1010-1020 | 1010-1020 | 1010-1020 |
| 100-180 | 1020-1030 | 1020-1030 | 1020-1030 | 100-180 | 1020-1030 | 1020-1030 | 1020-1030 |
| 190-270 | 1030-1040 | 1030-1040 | 1030-1040 | 190-270 | 1030-1040 | 1030-1040 | 1030-1040 |
| 280-360 | 1040-1050 | 1040-1050 | 1040-1050 | 280-360 | 1040-1050 | 1040-1050 | 1040-1050 |
| 0-90 | 1050-1060 | 1050-1060 | 1050-1060 | 0-90 | 1050-1060 | 1050-1060 | 1050-1060 |
| 100-180 | 1060-1070 | 1060-1070 | 1060-1070 | 100-180 | 1060-1070 | 1060-1070 | 1060-1070 |
| 190-270 | 1070-1080 | 1070-1080 | 1070-1080 | 190-270 | 1070-1080 | 1070-1080 | 1070-1080 |
| 280-360 | 1080-1090 | 1080-1090 | 1080-1090 | 280-360 | 1080-1090 | 1080-1090 | 1080-1090 |
| 0-90 | 1090-1100 | 1090-1100 | 1090-1100 | 0-90 | 1090-1100 | 1090-1100 | 1090-1100 |
| 100-180 | 1100-1110 | 1100-1110 | 1100-1110 | 100-180 | 1100-1110 | 1100-1110 | 1100-1110 |
| 190-270 | 1110-1120 | 1110-1120 | 1110-1120 | 190-270 | 1110-1120 | 1110-1120 | 1110-1120 |
| 280-360 | 1120-1130 | 1120-1130 | 1120-1130 | 280-360 | 1120-1130 | 1120-1130 | 1120-1130 |
| 0-90 | 1130-1140 | 1130-1140 | 1130-1140 | 0-90 | 1130-1140 | 1130-1140 | 1130-1140 |
| 100-180 | 1140-1150 | 1140-1150 | 1140-1150 | 100-180 | 1140-1150 | 1140-1150 | 1140-1150 |
| 190-270 | 1150-1160 | 1150-1160 | 1150-1160 | 190-270 | 1150-1160 | 1150-1160 | 1150-1160 |
| 280-360 | 1160-1170 | 1160-1170 | 1160-1170 | 280-360 | 1160-1170 | 1160 | |

II

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1973-1982

JANUARY 1973-DECEMBER 1982

JUNE

| WIND
DIRECTION | RAIN | PALE
CLOUDS | MODERATE
CLOUDS | HEAVY
CLOUDS | THUNDER
STORMS | GRASS
PELLETS
ON WIND | HAIR
CLOUDS | THUNDER | HAIR | ICE
ON WIND | HAIR | BLOWING
SAND | WIND
WEATHER |
|-------------------|------|----------------|--------------------|-----------------|-------------------|-----------------------------|----------------|---------|------|----------------|------|-----------------|-----------------|
| N | 0.7 | 5.6 | 5.3 | | | | | | 22.2 | | 1.4 | | 48.5 |
| NE | 1.2 | 5.1 | 12.2 | | | | | | 34.6 | | | | 25.0 |
| E | | 12.5 | 14.3 | | | | | | 47.5 | | | | 36.4 |
| SE | | 3.5 | 10.4 | | | | | | 75.5 | | 1.7 | | 35.7 |
| S | | 3.8 | 18.5 | | | | | 0.7 | 27.0 | | 1.8 | | 40.3 |
| SW | 3.7 | 3.6 | 16.3 | | | | | 0.9 | 26.6 | | 0.9 | | 42.8 |
| W | | 1.1 | 8.2 | | | | | | 35.3 | | 1.2 | | 41.4 |
| WNW | | | 5.7 | | | | | | 49.1 | | 1.9 | | 35.8 |
| W | | 1.7 | | | | | | 1.7 | 21.7 | | | | 61.7 |
| WNW | 4.0 | 4.8 | | | | | | | 14.7 | | 2.4 | | 71.4 |
| W | 7.0 | 3.5 | 1.2 | | | | | | 9.3 | | 1.2 | | 41.4 |
| WNW | 1.0 | 3.0 | 1.0 | | | | | | 6.0 | | | | 56.0 |
| W | 1.0 | 2.1 | | | | | | | 11.3 | | 2.1 | | 77.2 |
| WNW | 1.0 | 2.4 | 1.2 | | | | | | 7.8 | | | | 42.9 |
| W | 1.3 | 1.6 | | | | | | | 27.0 | | | | 72.1 |
| WNW | 14.0 | 4.9 | 4.9 | | | | | | 13.2 | | 4.9 | | 58.5 |
| W | 5.4 | 5.9 | 4.4 | | | | | | 50.7 | | 1.7 | | 31.4 |
| W | 22.1 | 9.3 | 22.0 | | | | | 7 | 59.5 | | 2.5 | | 104.9 |
| W | 17.6 | 4.3 | 17.2 | | | | | 0.3 | 77.6 | | 1.2 | | 48.6 |

TOTAL NUMBER OF OBSERVATIONS 2,158

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

JAPAN

JANUARY 1973-DECEMBER 1982

JULY

| WIND
DIRECTION | RAIN
MM | RAIN
INCHES | FREEZING
RAIN
SPRINKLE | ICE
CRYSTALS | SNOW
GRAINS
PELLETS
SHOWERS | HAIR
SMALL
HAIL | THUNDER | FOG | ICE RING
GROUND
FALL | SMOKE
HAZE | BLOWING
SNOW | BLOWING
SAND
AND
DUST | NO
WEATHER |
|-------------------|------------|----------------|------------------------------|-----------------|--------------------------------------|-----------------------|---------|------|----------------------------|---------------|-----------------|--------------------------------|---------------|
| N | .1 | 5.6 | 17.9 | | | | 2.8 | 22.2 | | 2.9 | | | 52.8 |
| NNE | .1 | 5.5 | 9.1 | | | | | 34.5 | | 3.6 | | | 38.2 |
| NNE | .1 | 4.1 | 12.2 | | | | | 31.1 | | 4.1 | | | 41.9 |
| ENE | .1 | 1.8 | 15.8 | | | | .9 | 35.1 | | 5.3 | | | 35.1 |
| E | .1 | 1.9 | 14.0 | | | | | 28.8 | | 4.5 | | | 45.2 |
| ESE | .1 | 3.2 | 15.2 | | | | | 21.3 | | 2.0 | | | 51.6 |
| SE | .1 | 1.5 | 4.7 | | | | 1.0 | 25.0 | | 5.5 | | | 54.0 |
| SSE | .1 | 1.1 | 1.3 | | | | 2.7 | 36.7 | | 3.8 | | | 43.0 |
| S | .5 | 22.7 | 2.3 | | | | | 20.5 | | 4.5 | | | 46.6 |
| SSW | | 11.3 | 1.4 | | | | | 27.6 | | | | | 54.4 |
| WSW | 1.0 | .8 | | | | | | 19.6 | | 2.0 | | | 68.6 |
| W | | .8 | | | | | | 21.3 | | 1.9 | | .9 | 73.1 |
| WNW | | .2 | 1.0 | | | | | 36.5 | | 2.1 | | | 56.3 |
| W | | | .1 | | | | | 21.3 | | | | | 66.7 |
| WNW | | 12.7 | .0 | | | | | 16.0 | | 4.0 | | | 60.0 |
| NNW | .1 | 1.2 | 9.1 | | | | | 27.3 | | 3.0 | | | 39.4 |
| JAPAN | 4.4 | 2.2 | 3.9 | | | | | 54.0 | | 1.7 | | | 30.4 |
| TOTAL | 14 | 114 | 270 | | | | 7 | 657 | | 72 | | 1 | 1100 |
| TOTAL | 1.1 | 5.1 | 8.9 | | | | .3 | 29.2 | | 3.2 | | .0 | 49.2 |

TOTAL NUMBER OF OBSERVATIONS 2,250

JANUARY 1973-DECEMBER 1982

1. MUST

TOTAL NUMBER OF OBSERVATIONS

2,297

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JANUARY 1973-DECEMBER 1982 SEPTEMBER

[illegible]

TOTAL NUMBER OF OBSERVATIONS 4,229

JANUARY 1973-DECEMBER 1982 NOVEMBER

[illegible]

TOTAL NUMBER OF OBSERVATIONS 2,273

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JAN 17 1973-DECLASSIFIED 1932

214

[illegible]

TOTAL NUMBER OF OBSERVATIONS

20,000

U. S. Weather Bureau
Air Force Station

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amount (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

| | | |
|--|--------------------------------------|------------------------|
| Air Force Stations | From beginning of record thru 1945 | Snow depth at 0800 LST |
| | Jan 46-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |
| U. S. Navy and Weather Bureau Stations | From beginning of record thru Jun 52 | Snow depth at 0030 GCT |
| | Jul 52-May 57 | Snow depth at 1230 GCT |
| | Jun 57-present | Snow depth at 1200 GCT |

* rain was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME 4-72, 78-3 YEARS

| PRECIP | NONE | TRACE | AMOUNTS (INCHES) | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO
OF
OBS | MONTHLY AMOUNTS
(INCHES) | | |
|---------------|------|-------|------------------|-------|-------|-------|-------|--------|--------|---------|----------|-----------|-----------|---|--------------------------|-----------------------------|----------|-------|
| | | | 01 | 02-05 | 06-10 | 11-25 | 26-50 | 51-100 | 01-250 | 251-500 | 501-1000 | 1001-2000 | OVER 2000 | | | MEAN | GREATEST | LEAST |
| SNOWFAL | NONE | TRACE | 01-04 | 05-14 | 15-24 | 25-34 | 35-44 | 45-64 | 65-104 | 105-154 | 155-254 | 255-504 | OVER 504 | | | | | |
| SNOW
DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | | 1.0 | 8.6 | 16.8 | 9.4 | 14.3 | 7.0 | 2.6 | 2.2 | | | | | 40.6 | 837 | 3.90 | 9.18 | 1.00 |
| FEB | 1.0 | 3.0 | 7.9 | 13.6 | 17.2 | 13.9 | 6.0 | 3.3 | 1.0 | | | | | 57.6 | 706 | 3.10 | 6.68 | .96 |
| MAR | 1.0 | .3 | 5.6 | 14.1 | 6.7 | 7.6 | 4.0 | 7.1 | 2.4 | .1 | | | | 43.2 | 876 | 3.03 | 8.05 | .73 |
| APR | 4.0 | 1.0 | 3.6 | 5.4 | 5.5 | 6.5 | 4.5 | 4.1 | 2.1 | | | | | 34.0 | 750 | 2.87 | 7.13 | .44 |
| MAY | 6.0 | 17.0 | 7.0 | 7.3 | 4.7 | 6.9 | 1.1 | 4.2 | 2.1 | .1 | | | | 33.8 | 806 | 3.15 | 7.36 | .85 |
| JUN | 6.0 | 22.0 | 7.5 | 7.2 | 4.9 | 6.0 | 6.1 | 4.3 | 4.2 | .4 | | | | 37.7 | 690 | 4.54 | 7.11 | 1.37 |
| JUL | 3.0 | 2.0 | 4.1 | 7.5 | 6.5 | 7.6 | 6.0 | 5.5 | 7.2 | .4 | | | | 41.4 | 775 | 4.44 | 8.31 | 1.47 |
| AUG | 6.7 | 22.3 | 2.7 | 9.5 | 4.1 | 6.3 | 6.1 | 5.2 | 3.7 | | | | | 36.0 | 775 | 4.10 | 7.69 | .27 |
| SEP | 3.0 | 17.6 | 2.4 | 9.5 | 5.8 | 7.7 | 8.2 | 5.4 | 5.6 | .9 | | | | 44.0 | 780 | 6.00 | 17.28 | 1.57 |
| OCT | 42.0 | 21.0 | 3.3 | 7.3 | 5.0 | 7.4 | 4.0 | 4.3 | 3.2 | .6 | | | | 36.1 | 876 | 4.35 | 7.04 | .47 |
| NOV | 27.0 | 27.0 | 5.1 | 11.7 | 7.9 | 9.2 | 5.1 | 4.1 | 1.5 | .1 | | | | 44.5 | 780 | 3.10 | 9.17 | .67 |
| DEC | 1.0 | 34.2 | 6.7 | 13.6 | 10.8 | 10.2 | 6.9 | 2.1 | 1.0 | | | | | 51.5 | 806 | 2.89 | 6.62 | 1.11 |
| ANNUAL | 1.2 | 25.2 | 4.4 | 1.04 | 6.0 | 8.8 | 5.7 | 4.1 | 2.0 | .2 | | | | 43.6 | 9317 | 5.67 | | |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF
SNAIL
(FROM DAILY OBSERVATIONS)

5-A-ON

S'A' ON NAME

4 - 7, 78 - 8

YEARS

| AMOUNTS (INCHES) | | | | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO
OF
OBS | MONTHLY AMOUNTS
(INCHES) | | | |
|------------------|------|-------|------|-------|------|-------|-------|-------|-------|--------|----------|---------|-----------|---|--------------------------|-----------------------------|-------|----------|-------|
| PRE P | NONE | TRACE | 0 | 02.05 | 06.0 | 25 | 26.50 | 51.00 | 02.50 | 25.500 | 50.10.00 | 10.01 | 20.00 | | | OVER 20.00 | MEAN | GREATEST | LEAST |
| SNOW
DEPTH | NONE | TRACE | 0.04 | 04.4 | 5.24 | 21.34 | 15.44 | 45.64 | 65.04 | 15.54 | 55.254 | 25.5304 | OVER 30.4 | | | | | | |
| | NONE | TRACE | 1 | 2 | 3 | 4.0 | 7.2 | 3.24 | 25.36 | 37.48 | 49.60 | 61.720 | OVER 120 | | | | | | |
| JAN | 11.7 | 0.0 | 11.3 | 17.7 | 6.7 | 1.1 | 2.7 | 2.7 | 3.7 | 1.7 | .2 | .1 | | 57.7 | 837 | 41.4 | 95.2 | 4.0 | |
| FEB | 11.8 | 0.0 | 11.7 | 15.1 | 7.4 | 5.5 | 3.7 | 1.8 | 1.4 | .0 | .3 | | | 52.5 | 706 | 26.0 | 59.9 | 4.4 | |
| MAR | .0 | 0.3 | 11.7 | 9.7 | 4.6 | 2.7 | 1.7 | 1.2 | 1.5 | .5 | .1 | .1 | | 34.0 | 806 | 20.0 | 57.7 | 1.0 | |
| APR | .2 | 1.1 | 2.5 | 1.1 | .0 | .4 | .5 | .4 | .0 | | .1 | | | 6.0 | 750 | 3.6 | 18.5 | TRA | |
| MAY | 0.0 | .0 | | | | | | | | | | | | | 806 | TRACE | TRACE | .0 | |
| JUN | .0 | | | | | | | | | | | | | | 720 | .0 | .0 | .0 | |
| JUL | .0 | | | | | | | | | | | | | | 806 | .0 | .0 | .0 | |
| AUG | .0 | | | | | | | | | | | | | | 806 | .0 | .0 | .0 | |
| SEP | 3.0 | | | | | | | | | | | | | | 700 | .0 | .0 | .0 | |
| OCT | 7.0 | 1.0 | .1 | .1 | | | | | | | | | | .0 | 806 | TRACE | .0 | .0 | |
| NOV | .0 | 10.0 | 4.1 | 3.8 | 2.4 | 1.0 | .5 | .6 | .1 | .1 | | | | 12.0 | 720 | 5.8 | 21.3 | NO | |
| DEC | 17.0 | 1.3 | 11.7 | 12.3 | 5.6 | 2.4 | 2.7 | 1.7 | 1.7 | .2 | | | | 30.0 | 806 | 20.6 | 39.4 | 1.0 | |
| ANNUAL | 11.0 | 11.3 | 5.4 | 5.0 | 2.4 | 1.4 | .0 | .8 | .7 | .0 | .1 | .0 | | 16.0 | 940 | 91.8 | 4 | | |

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NAME 4-7, 78-- YEARS

| MONTH | AMOUNTS (INCHES) | | | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) | | |
|--------|------------------|-------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------|-----------------|--------------------------|----------|-------|
| | NONE | TRACE | 1-2 | 2-5 | 6-10 | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | | | MEAN | GREATEST | LEAST |
| JAN | 1.0 | .0 | .5 | 7.5 | 7.7 | 19.7 | 22.7 | 13.1 | 3.0 | .7 | | | | | | 90.0 | 637 | | | |
| FEB | .0 | .0 | .0 | .0 | 7.1 | 17.4 | 22.4 | 16.0 | 1.6 | | | | | | | 79.0 | 706 | | | |
| MAR | .0 | 11.0 | 5.7 | .5 | 4.0 | 7.7 | 9.1 | 3.4 | .1 | .2 | | | | | | 31.5 | 816 | | | |
| APR | .0 | 1.0 | .7 | .1 | .1 | .7 | .1 | | | | | | | | | 1.0 | 720 | | | |
| MAY | .0 | | | | | | | | | | | | | | | | | 1.6 | | |
| JUN | .0 | | | | | | | | | | | | | | | | | 750 | | |
| JUL | .0 | | | | | | | | | | | | | | | | | | | |
| AUG | .0 | | | | | | | | | | | | | | | | | 6 | | |
| SEP | .0 | | | | | | | | | | | | | | | | | 7 | | |
| OCT | .0 | | | | | | | | | | | | | | | | | 316 | | |
| NOV | 11.7 | 2.5 | 1.0 | 1.3 | 1.0 | .0 | .0 | | | | | | | | | .4 | 78 | | | |
| DEC | 4.5 | .0 | 2.5 | 7.1 | 3.0 | 10.6 | 4.1 | | | | | | | | | 31.6 | 775 | | | |
| ANNUAL | .7 | 7.0 | 7.4 | 2.2 | 1.0 | 4.7 | 5.1 | .7 | .0 | .1 | | | | | | 19.7 | 9378 | | | |

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ALLIANCE YEARS: 1950 MONTH: JAN
 CLASS: ALL CONDITION: ALL
 STATION: 1 HOURS: 24

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 1.1 | 7.0 |
| NNE | | | | | | | | | | | | 0.1 | 7.0 |
| NE | | | | | | | | | | | | 0.1 | 7.0 |
| ENE | | | | | | | | | | | | 0.1 | 16.0 |
| E | | | | | | | | | | | | 0.1 | 12.0 |
| ESE | | | | | | | | | | | | 1.1 | 7.7 |
| SE | | | | | | | | | | | | 1.1 | 5.5 |
| SSE | | | | | | | | | | | | 0.1 | 8.5 |
| S | | | | | | | | | | | | 7.1 | 7.3 |
| SSW | | | | | | | | | | | | 16.0 | 5.5 |
| SW | | | | | | | | | | | | 12.1 | 5.0 |
| WSW | | | | | | | | | | | | 14.0 | 7.0 |
| W | | | | | | | | | | | | 11.2 | 10.3 |
| WNW | | | | | | | | | | | | 13.1 | 11.0 |
| NW | | | | | | | | | | | | 0.1 | 5.3 |
| NNW | | | | | | | | | | | | 0.1 | 10.5 |
| VARBL | | | | | | | | | | | | 1.7 | |
| CALM | | | | | | | | | | | | 1.7 | |
| | | | | | | | | | | | | 10.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS: 100

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: _____ CLASS: _____ YEARS: _____ MONTH: _____
 STATION: _____ CLASS: _____ YEARS: _____ MONTH: _____
 CONDITION: _____

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----------------------|
| N | | | | | | | | | | | | 7.4 |
| NNE | | | | | | | | | | | | 8.1 |
| NE | | | | | | | | | | | | 12.0 |
| NNE | | | | | | | | | | | | 12.0 |
| E | | | | | | | | | | | | 18.0 |
| ESE | | | | | | | | | | | | 18.0 |
| SE | | | | | | | | | | | | 18.0 |
| SSE | | | | | | | | | | | | 18.0 |
| S | | | | | | | | | | | | 18.0 |
| SSW | | | | | | | | | | | | 18.0 |
| SW | | | | | | | | | | | | 18.0 |
| WSW | | | | | | | | | | | | 18.0 |
| W | | | | | | | | | | | | 18.0 |
| WNW | | | | | | | | | | | | 18.0 |
| NW | | | | | | | | | | | | 18.0 |
| NNW | | | | | | | | | | | | 18.0 |
| VARBL | | | | | | | | | | | | 18.0 |
| CALM | | | | | | | | | | | | 18.0 |
| | 11.0 | 30.4 | 34.0 | 11.1 | 7.7 | 0.7 | 0.3 | | | | 18.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 201

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

DATE

MONTH

DAY

HOURS - L E T

ALL WEATHER

CLASS

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 |
| NNE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 |
| NE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 |
| ENE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| ESE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 |
| SSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 |
| SSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 |
| SW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 |
| WSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 |
| VARB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| CALM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 |
| | 0.0 | 13.0 | 3.0 | 13.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS

274

SMOS

2

NATIONAL WEATHER SERVICE
STATION NAME

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: LAKE CHARLES STATION NAME: LAKE CHARLES YEARS: 1951-1952 MONTH: JAN

CLASS: ALL HOURS: 12

CONDITION:

| SPEED
(KNTS)
DIE | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 2.0 | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | 1.0 | 14.3 |
| E | | | | | | | | | | | | 0.5 | |
| ESE | | | | | | | | | | | | 4.0 | |
| SE | | | | | | | | | | | | 3.7 | 3.5 |
| SSE | | | | | | | | | | | | 3.1 | 4.5 |
| S | | | | | | | | | | | | 4.0 | 6.0 |
| SSW | | | | | | | | | | | | 11.7 | 4.7 |
| SW | | | | | | | | | | | | 18.0 | 6.1 |
| WSW | | | | | | | | | | | | 17.0 | 6.6 |
| W | | | | | | | | | | | | 23.4 | 7.1 |
| WNW | | | | | | | | | | | | 13.4 | 11.4 |
| NW | | | | | | | | | | | | 5.5 | 8.1 |
| NNW | | | | | | | | | | | | 3.4 | 5.2 |
| VARBL | | | | | | | | | | | | 3.1 | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 34.7 | 30.0 | 14.3 | 2.4 | 0.7 | | | | | | 10.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 291

SNOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

SPACE WIND

FROM DAILY OBSERVATIONS

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

07-16 JAPAN

STATION NAME

67-77, 78-81

YEARS

BASED ON LESS THAN 90% OBSERVATIONS FOR MONTHS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
FROM DAILY OBSERVATIONS

44
STATION

MICAWA, JAPAN

STATION NAME

50-72, 70-PL

YEARS

DAILY PEAK GUSTS IN KNOTS
BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|
| YEAR | | | | | | | | | | | | | |
| 1 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 2 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 3 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 4 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 5 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 6 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 7 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 8 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 9 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 10 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 11 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 13 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 14 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 15 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 16 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 17 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 18 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 19 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 20 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 21 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 22 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 23 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 24 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 25 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 26 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 27 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 28 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 29 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 30 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 31 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 32 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 33 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 34 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 35 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 36 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 37 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 38 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 39 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 40 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 41 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 42 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 43 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 44 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 45 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 46 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 47 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 48 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 49 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 50 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 51 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 52 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 53 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 54 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 55 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 56 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 57 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 58 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 59 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 60 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 61 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 62 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 63 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 64 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 65 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 66 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 67 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 68 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 69 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 70 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 71 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 72 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 73 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 74 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 75 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 76 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 77 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 78 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 79 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 80 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 81 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 82 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 83 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 84 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 85 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 86 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 87 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 88 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 89 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 90 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 91 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 92 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 93 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 94 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 95 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 96 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 97 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 98 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 99 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| 100 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | WINDS
DAYS |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
FROM DAILY OBSERVATIONS

STATION 44070
STATION NAME ASHLEY, JAPAN

6-72, 7-81

YEARS

DAILY PEAK GUSTS IN KNOTS

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------------|-------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|------------|
| YEAR | | | | | | | | | | | | | |
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| 98 | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| MEAN | 47.5 | 39.9 | 42.8 | 41.2 | 47.1 | 31.5 | 31.5 | 37.9 | 36.2 | 38.3 | 39.2 | 40.5 | 44.4 |
| S.D. | 7.567 | 5.121 | 10.093 | 4.781 | 11.721 | 3.843 | 5.474 | 6.078 | 9.788 | 9.006 | 3.532 | 5.792 | 9.973 |
| TOTAL OBS. | 464 | 384 | 430 | 384 | 401 | 382 | 429 | 428 | 383 | 397 | 385 | 424 | 4897 |

SMOS

PART C

SURFACE WINDS

Presented in this part are wind speed tabulations of surface winds as follows:

- a. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 10% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with 100% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorder."

- b. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

II

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
FROM DAILY OBSERVATIONS

STATION: WISCONSIN, JAPAN 40-72, 70-80 YEARS

DAILY SNOW DEPTH IN INCHES
(BASED ON LESS THAN FULL MONTHS)

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------|
| YEAR | | | | | | | | | | | | | |
| 1 | | | | 22 | | | | | | | | | END DPTH
DAYS |
| 2 | | | | | | | | | | | | 16 | END DPTH
DAYS |
| 3 | | | | | | | | | | | | 30 | END DPTH
DAYS |
| 4 | | | | | | | | | | | | | END DPTH
DAYS |
| 5 | | | | 22 | | | | | | | | | END DPTH
DAYS |
| 6 | | 24 | | | | | | | | | | | END DPTH
DAYS |
| 7 | | 26 | | | | | | | | | | | END DPTH
DAYS |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
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| 31 | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
FROM DAILY OBSERVATIONS

STATION: MT. CRYSTAL, JAPAN STATION NAME: 40-70, 75-90 YEARS

DAILY SNOW DEPTH IN INCHES

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|--------|-------|-------|-------|------|------|------|------|------|------|-------|-------|------------|
| YEAR | | | | | | | | | | | | | |
| 40 | | TRACE | | 1 | | | | | | | TRACE | 1 | |
| 41 | 2 | | | | | | | | | | | | 2 |
| 42 | 15 | 17 | | | | | | | | | | | |
| 43 | 15 | 17 | 43 | | | | | | | | | 1 | 43 |
| 44 | 15 | 30 | 15 | | | | | | | | | | 32 |
| 45 | | | | | | | | | | | TRACE | 15 | 10 |
| 46 | 20 | 17 | | | | | | | | | | | 22 |
| 47 | 9 | 11 | | | | | | | | | | 17 | 17 |
| 48 | 10 | 17 | | TRACE | | | | | | | TRACE | 1 | 15 |
| 49 | 12 | 14 | | TRACE | | | | | | | TRACE | | 12 |
| 50 | 14 | 5 | TRACE | | | | | | | | | 10 | 18 |
| 51 | 48 | 24 | | TRACE | | | | | | | | | 48 |
| 52 | 14 | 16 | | | | | | | | | TRACE | 4 | 16 |
| 53 | 8 | 17 | | | | | | | | | | | 12 |
| 54 | 39 | 23 | | | | | | | | | TRACE | 1 | 39 |
| 55 | 18 | 24 | 17 | | | | | | | | | 1 | 24 |
| 56 | 6 | 17 | 15 | | | | | | | | | 3 | 2 |
| 57 | 8 | 7 | | | | | | | | | | | 9 |
| 58 | 30 | 22 | | | | | | | | | | | 30 |
| 59 | 10 | 5 | | | | | | | | | | 1 | 12 |
| 60 | 14 | 13 | 11 | | | | | | | | | | 14 |
| 61 | 8 | | 20 | | | | | | | | | | 20 |
| 62 | 7 | 12 | | | | | | | | | | | 12 |
| 63 | 7 | | | | | | | | | | | | |
| 64 | 14 | | 24 | | | | | | | | | | |
| 65 | 13 | | | | | | | | | | | | 13 |
| 66 | | | | | | | | | | | | | |
| MEAN | 15.4 | 13.2 | 9.5 | 1.2 | .7 | .0 | .0 | .0 | .0 | .0 | 1.9 | 6.1 | 21.0 |
| S.D. | 10.892 | 7.924 | 9.157 | 2.322 | .007 | .000 | .000 | .000 | .000 | .000 | 2.222 | 3.673 | 11.504 |
| TOTAL DRS | 837 | 706 | 906 | 720 | 806 | 750 | 804 | 806 | 780 | 806 | 780 | 775 | 9374 |

SMOS

EXTREME VALUES

STATION 444 YITAJA, JAPAN STATION NAME

48-72, 7A-8

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION NAME

STATION NAME

48-72, 78-80

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH
YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL
MONTHS |
|---------------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|---------------|
| 48 | 2.5 | 2.0 | 2.4 | 2.5 | .7 | .0 | .0 | .0 | .0 | .0 | 3.2 | 1.1 | |
| 49 | 7.6 | 8.4 | 11.3 | 7.0 | .7 | .0 | .0 | .0 | .0 | TRACE | 3.1 | 8.7 | |
| 50 | 5.0 | 19.6 | 8.4 | 7.2 | .7 | .0 | .0 | .0 | .0 | .0 | 5.5 | 5.0 | |
| 51 | 5.5 | 6.8 | 43.1 | TRACE | .7 | .0 | .0 | .0 | .0 | TRACE | 4.0 | 11.3 | 43.1 |
| 52 | 16.8 | 2.3 | 11.8 | 1.3 | .7 | .0 | .0 | .0 | .0 | .0 | 2.5 | 4.2 | 16.8 |
| 53 | 5.8 | 1.2 | 5.7 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .7 | 9.6 | 9.6 |
| 54 | 14.9 | 6.4 | 2.0 | .4 | .7 | .0 | .0 | .0 | .0 | TRACE | TRACE | 1.5 | 14.9 |
| 55 | 5.9 | 11.6 | 6.2 | TRACE | .7 | .0 | .0 | .0 | .0 | TRACE | 2.6 | 11.5 | 11.9 |
| 56 | 7.1 | 17.0 | 5.3 | 1.8 | .7 | .0 | .0 | .0 | .0 | .0 | .8 | 1.3 | 17.0 |
| 57 | 15.1 | 13.7 | 11.7 | 2.1 | .7 | .0 | .0 | .0 | .0 | .0 | 1.5 | 5.5 | 15.1 |
| 58 | 5.4 | 6.0 | 1.1 | TRACE | .7 | .0 | .0 | .0 | .0 | .0 | .2 | 10.1 | 10.1 |
| 59 | 27.2 | 7.9 | 4.1 | 5.0 | .7 | .0 | .0 | .0 | .0 | .0 | 2.7 | 7.1 | 27.2 |
| 60 | 10.9 | 8.4 | 3.1 | TRACE | .7 | .0 | .0 | .0 | .0 | .0 | 5.4 | 6.7 | 10.9 |
| 61 | 7.4 | 4.1 | 8.8 | .4 | .7 | .0 | .0 | .0 | .0 | .0 | 4.0 | 2.1 | 8.8 |
| 62 | 13.8 | 8.9 | 4.8 | 7.1 | .7 | .0 | .0 | .0 | .0 | .0 | .1 | 2.5 | 13.8 |
| 63 | 14.7 | 14.6 | 6.8 | .3 | .7 | .0 | .0 | .0 | .0 | .0 | 1.1 | 5.2 | 14.7 |
| 64 | 6.2 | 18.2 | 19.4 | 7.4 | .7 | .0 | .0 | .0 | .0 | .0 | 3.6 | 1.8 | 19.9 |
| 65 | 4.7 | 5.0 | 7.9 | TRACE | .7 | .0 | .0 | .0 | .0 | TRACE | 4.6 | 4.3 | 9.3 |
| 66 | 11.4 | 13.7 | 1.9 | .3 | .7 | .0 | .0 | .0 | .0 | .0 | 2.2 | 7.4 | 13.4 |
| 67 | 4.1 | 5.6 | 5.5 | 6.3 | .7 | .0 | .0 | .0 | .0 | .0 | 1.7 | 9.4 | 9.9 |
| 68 | 7.8 | 12.2 | 7.7 | 7.5 | .7 | .0 | .0 | .0 | .0 | .0 | 11.0 | 6.7 | 12.2 |
| 69 | 7.3 | 4.4 | 14.1 | .7 | .7 | .0 | .0 | .0 | .0 | TRACE | 4.2 | 5.6 | 14.1 |
| 70 | 7.1 | 6.2 | 6.5 | .2 | TRACE | .7 | .0 | .0 | .0 | .0 | 4.6 | 6.9 | 7.1 |
| 71 | 4.7 | 3.2 | 3.9 | | | | | | | | | | |
| 72 | 7.5 | | 4.3 | .4 | .7 | .0 | .0 | .0 | .0 | TRACE | TRACE | 9.4 | |
| 73 | 17.2 | 3.5 | 2.7 | 15.7 | .7 | .0 | .0 | .0 | .0 | .0 | 6.0 | 10.1 | 15.7 |
| 74 | 1.2 | | | | | | | | | | | | |
| MEAN | 9.33 | 8.14 | 8.07 | 2.48 | TRACE | .00 | .00 | .00 | .00 | .04 | 2.40 | 6.36 | 14.37 |
| S.D. | 5.229 | 4.943 | 8.324 | 4.602 | .004 | .000 | .000 | .000 | .000 | .124 | 2.487 | 3.291 | 7.834 |
| TOTAL OBS | 431 | 708 | 806 | 750 | 806 | 720 | 806 | 806 | 780 | 806 | 780 | 806 | 9409 |

SMOS

EXTREME VALUES

STATION:

YOKO, JAPAN

40-77, 78-8,

STATION NAME

YEARS

24 HOUR GROWTHS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NAME

STATION NAME

41-77, 7P-RI

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH
YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL
MONTHS |
|---------------|------|------|------|------|------|------|------|------|------|-------|------|------|---------------|
| 61 | 1.07 | 2.23 | .45 | 1.77 | .29 | 2.67 | 1.39 | 1.77 | 3.69 | .30 | .76 | 1.74 | 3.33 |
| 62 | .77 | 1.01 | 1.17 | .99 | .54 | .68 | 1.27 | .26 | 1.44 | 1.77 | 1.44 | 1.01 | |
| 63 | .00 | 1.06 | .34 | 2.02 | 1.17 | | 2.57 | .22 | 1.23 | 3.76 | 3.59 | .88 | |
| 64 | 1.45 | .65 | 4.31 | .59 | .37 | .78 | 1.52 | 1.26 | .87 | 1.00 | .42 | 1.13 | 4.71 |
| 65 | 1.68 | .23 | 1.29 | 1.13 | .76 | 2.31 | .66 | .97 | 1.89 | .17 | 1.02 | 1.03 | 2.31 |
| 66 | .66 | .31 | .65 | 2.19 | .67 | 2.14 | .41 | .94 | 1.92 | 2.37 | .55 | 1.27 | 2.35 |
| 67 | 1.62 | .95 | .41 | .63 | 2.13 | 3.16 | .99 | 1.76 | 1.54 | 2.44 | .76 | .84 | 1.06 |
| 68 | .38 | 1.10 | 1.18 | 1.29 | .34 | 1.38 | .63 | 1.16 | 1.17 | .91 | 2.10 | 1.07 | 2.10 |
| 69 | 1.02 | .94 | .77 | .54 | 1.47 | .43 | 3.59 | .62 | 1.44 | 1.30 | .26 | 1.08 | 3.59 |
| 70 | 1.08 | 1.85 | 1.24 | 1.12 | .84 | 1.24 | 2.47 | .92 | 4.37 | 2.18 | 1.29 | 1.81 | 4.37 |
| 71 | .47 | .87 | 1.55 | .65 | .57 | 1.50 | 1.09 | 1.46 | 2.29 | 1.07 | 1.55 | .54 | 2.29 |
| 72 | 2.24 | .90 | 1.63 | .74 | .94 | .76 | 1.15 | 1.47 | 1.64 | 2.62 | .80 | 1.58 | 2.62 |
| 73 | .95 | 1.30 | .17 | 1.46 | .34 | 1.46 | 1.00 | .60 | 1.21 | 1.95 | .80 | .66 | 1.95 |
| 74 | 1.62 | .34 | 1.61 | .55 | .97 | 1.03 | .44 | 1.01 | 2.09 | 1.70 | .47 | .14 | 2.09 |
| 75 | 1.45 | .69 | 1.24 | .85 | 1.19 | 1.08 | 2.38 | 1.63 | .58 | 1.52 | 1.09 | .75 | 2.38 |
| 76 | 1.25 | 1.57 | .47 | 1.24 | 2.07 | .67 | 2.00 | 2.15 | 2.15 | .86 | 1.99 | .20 | 2.15 |
| 77 | 1.23 | .44 | 2.14 | .45 | 1.92 | .56 | 1.54 | .79 | 1.52 | .20 | 1.66 | 1.08 | 2.04 |
| 78 | .67 | .70 | 1.17 | 1.24 | .81 | 4.36 | 1.69 | 1.29 | 3.36 | 2.36 | .37 | .47 | 4.36 |
| 79 | .74 | .58 | .42 | .87 | 1.17 | .68 | 1.00 | 1.06 | 2.99 | 1.97 | .63 | .33 | 2.99 |
| 80 | .39 | .27 | .41 | 2.24 | 2.54 | | | | .45 | 3.49 | .61 | 1.11 | |
| 81 | 1.08 | .52 | .60 | 1.17 | 1.79 | 1.88 | 1.44 | 1.54 | 1.66 | .67 | .24 | 1.17 | 1.88 |
| 82 | .40 | .31 | .67 | 1.25 | .24 | 1.32 | 1.04 | 2.35 | .45 | .73 | 2.02 | .57 | 2.35 |
| 83 | .57 | .35 | 1.70 | 1.33 | 1.31 | .83 | 1.06 | .99 | 2.78 | 2.97 | .38 | .55 | 2.92 |
| 84 | 2.20 | 2.30 | 1.31 | | | | | | | | | | |
| 85 | .74 | | .75 | .14 | 2.57 | 2.34 | .87 | 1.53 | 1.87 | 2.27 | .90 | .45 | |
| 86 | 1.17 | 1.37 | 1.16 | 1.14 | 1.17 | 1.74 | .87 | 1.42 | 3.74 | 2.10 | 2.22 | 1.01 | 3.08 |
| 87 | 2.36 | | | | | | | | | | | | |
| MEAN | 1.12 | .97 | 1.14 | 1.17 | 1.11 | 1.57 | 1.43 | 1.26 | 1.90 | 1.76 | 1.15 | .80 | 2.79 |
| S.D. | .549 | .604 | .822 | .536 | .692 | .961 | .797 | .571 | .888 | 1.017 | .790 | .433 | .805 |
| TOTAL OBS. | 937 | 706 | 806 | 750 | 804 | 690 | 775 | 775 | 780 | 856 | 780 | 406 | 9317 |

SMOS

2

NAVAL WEATHER SERVICE
FLEET ELEMENT
WATERVILLE, ME.

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 1000 STATION NAME WATERVILLE, ME. YEARS 1940-1941
 ALL WEATHER CLASS 1
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 1.4 | 1.4 | .7 | | | | | | | | 5.2 | 6.1 |
| NNE | .0 | | .7 | .7 | | | | | | | | 1.4 | 5.3 |
| NE | | .0 | .7 | .7 | | | | | | | | 1.4 | 10.3 |
| ENE | | .0 | | .7 | | | | | | | | 1.4 | 10.7 |
| E | .0 | .0 | | | | .0 | | | | | | 1.4 | 8.5 |
| ESE | | | .0 | | .3 | | | | | | | .7 | 12.0 |
| SE | | | | .7 | | | | | | | | .7 | 13.0 |
| SSE | | .0 | | | | | | | | | | .7 | 5.0 |
| S | | 1.4 | 1.4 | 1.4 | | | | | | | | 4.2 | 8.4 |
| SSW | | .0 | .7 | .7 | | | | | | | | 2.1 | 8.3 |
| SW | | 1.4 | 1.4 | | | | | | | | | 2.8 | 6.6 |
| WSW | 1.4 | .7 | 2.1 | 1.4 | .3 | | | | | | | 5.0 | 8.6 |
| W | .0 | 2.4 | 2.7 | 14.3 | 6.6 | 1.4 | | | | | | 32.8 | 13.2 |
| WNW | .0 | 1.4 | 6.7 | 11.5 | 3.6 | 1.4 | | | | | | 24.4 | 12.8 |
| NW | .0 | 2.1 | 3.5 | 4.0 | 1.4 | .7 | | | | | | 12.2 | 10.0 |
| NNW | .0 | 1.4 | 1.4 | .7 | .7 | | | | | | | 3.5 | 5.6 |
| VARBL | | | | | | | | | | | | .0 | |
| CALM | | | | | | | | | | | | .0 | |
| | .0 | 1.4 | 26.1 | 38.2 | 12.2 | 3.1 | | | | | | 100.0 | 11.4 |

TOTAL NUMBER OF OBSERVATIONS 200

SNOS

2

U.S. WEATHER SERVICE
NAVY DEPARTMENT
WASHINGTON

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
STATION NAME

STATION NAME

17-51

YEARS

JAN

MARCH

10

HOURLY

ALL WEATHER

CLASS

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1. | 1. | 1. | .7 | | | | | | | | 4.7 | 6.1 |
| NNE | . | . | . | . | | | | | | | | .7 | 6.0 |
| NE | | . | . | . | | | | | | | | 1.3 | 7.0 |
| ENE | | | . | .7 | | | | | | | | .7 | 12.5 |
| E | 1. | 1.7 | .7 | | .7 | .7 | | | | | | 3.7 | 7.5 |
| ESE | | 1. | . | . | .7 | | | | | | | 2.0 | 8.5 |
| SE | | 1. | | .7 | | | | | | | | 1.3 | 6.3 |
| SSE | . | | 1. | | | | | | | | | 1.3 | 5.0 |
| S | | . | . | . | | | | | | | | 1.0 | 7.3 |
| SSW | . | | . | . | | | | | | | | 2.4 | 8.1 |
| SW | . | .7 | 1. | | | | | | | | | 2.0 | 6.0 |
| WSW | | . | .7 | .7 | .7 | | | | | | | 5.1 | 11.9 |
| W | 1. | 1. | 7.1 | 15.5 | 4.7 | 1.7 | | | | | | 29.0 | 13.0 |
| WNW | . | .7 | 4. | 14.4 | 4.4 | .7 | .3 | | | | | 26.6 | 13.1 |
| NW | . | 1. | 3. | 4.7 | 1.7 | .7 | | | | | | 10.7 | 11.0 |
| NNW | . | 2. | 2.4 | 1. | | | | | | | | 6.1 | 7.5 |
| VARB. | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 7.1 | 12. | 26.4 | 34.7 | 10.4 | 2.7 | .3 | | | | | 100.0 | 11.0 |

TOTAL NUMBER OF OBSERVATIONS

227

SMOS

17

2

NAVAL WEATHER SERVICE
ATTACHMENT
ATRIUM, LIAISON

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ATRIUM, LIAISON 73-62 YEARS JAN
 CLASS ALL WEATHER MONTH 1
 CONDITION _____ HOURS (LST) _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | . | . | | | | | | | | | | 1.4 | 3.5 |
| NNE | . | | | | | | | | | | | .7 | 1.0 |
| NE | | . | . | . | .3 | | | | | | | 1.4 | 12.5 |
| ENE | . | | | . | | | | | | | | .7 | 8.5 |
| E | . | | | | . | .3 | | | | | | 1.0 | 15.0 |
| ESE | | . | . | .3 | | | | | | | | 1.4 | 8.5 |
| SE | | . | . | | | | | | | | | .7 | 5.5 |
| SSE | . | . | . | | | | | | | | | 2.1 | 4.5 |
| S | . | 2.6 | .7 | | | | | | | | | 4.7 | 4.4 |
| SSW | 1.0 | 2.6 | 1.0 | .7 | | | | | | | | 5.1 | 4.9 |
| SW | 1.0 | 2.6 | 1.0 | | | | | | | | | 4.7 | 5.0 |
| WSW | .7 | 1.1 | 5.7 | .7 | | | | | | | | 12.3 | 7.2 |
| W | 2.4 | 2.8 | 13.2 | 8.1 | 4.1 | | .7 | | | | | 36.5 | 9.6 |
| WNW | 1.0 | 3.4 | 3.4 | 5.1 | 1.0 | | | | | | | 14.2 | 7.5 |
| NW | . | 2.7 | 2.0 | 1.4 | .3 | | | | | | | 7.1 | 7.6 |
| NNW | . | . | 1.0 | 1.0 | | | | | | | | 3.0 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.4 | |
| | 17.0 | 20.1 | 30.4 | 17.6 | 6.1 | .3 | .3 | | | | | 110.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 296

SMOS

2

NAVY WEATHER SERVICE
ELEMENT
APPROPRIATE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: 4 JAN 41 CLASS: ALL WEATHER YEARS: 77-81 MONTH: JAN
HOURS (LST): 21
CONDITION:

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .7 | .7 | .7 | | | | | | | | 3.6 | 6.3 |
| NNE | .7 | | | | | | | | | | | .3 | 1.0 |
| NE | | | | | | | | | | | | | |
| ENE | | .7 | | .7 | .7 | | | | | | | 1.4 | 11.8 |
| E | .7 | .7 | | | .7 | | | | | | | 1.4 | 11.8 |
| ESE | | | .7 | | | | | | | | | .7 | 10.0 |
| SE | .7 | | .7 | | | | | | | | | .7 | 5.7 |
| SSE | | | .7 | | | | | | | | | 1.7 | 8.6 |
| S | .7 | .7 | 1.4 | .7 | | | | | | | | 5.5 | 5.3 |
| SSW | .7 | .7 | .7 | .7 | | | | | | | | 8.2 | 5.2 |
| SW | .7 | .7 | .7 | .7 | | | | | | | | 11.9 | 6.0 |
| WSW | .7 | .7 | .7 | .7 | .3 | | | | | | | 18.3 | 7.1 |
| W | .7 | .7 | .7 | .7 | .7 | .7 | | | | | | 26.6 | 9.3 |
| WNW | .7 | .7 | .7 | .7 | .7 | .7 | | | | | | 10.6 | 8.7 |
| NW | | .7 | .7 | .7 | | | | | | | | 5.5 | 8.5 |
| NNW | | .7 | .7 | .7 | .7 | | | | | | | 3.4 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 10.7 | 37.5 | 30.4 | 17.1 | 3.8 | .7 | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 203

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHKEVILLE, GA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME 4, JAPAN YEARS 1967 MONTH JAN
 CLASS ALL WEATHER ALL
 CONDITION NOV 1967

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 5.7 |
| NNE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.8 |
| NE | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.3 |
| ENE | .0 | .1 | .0 | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 12.1 |
| E | .0 | .7 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | 1.3 | 9.6 |
| ESE | .0 | .0 | .3 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.1 |
| SE | .0 | .4 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.6 |
| SSE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 5.9 |
| S | 1.1 | 1.0 | 1.0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 6.0 |
| SSW | 1.2 | 4.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.0 | 5.4 |
| SW | .0 | 4.5 | 3.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.3 | 6.0 |
| WSW | 1.2 | 4.0 | 5.5 | 1.4 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | 13.2 | 7.4 |
| W | .0 | 1.1 | 9.9 | 9.4 | 2.5 | .0 | .0 | .0 | .0 | .0 | .0 | 30.5 | 10.1 |
| WNW | .0 | 2.0 | 3.0 | 5.0 | 1.0 | .5 | .1 | .0 | .0 | .0 | .0 | 15.3 | 11.4 |
| NW | .0 | 1.4 | 2.2 | 2.1 | .3 | .1 | .0 | .0 | .0 | .0 | .0 | 6.5 | 9.4 |
| NNW | .0 | 1.0 | 1.0 | .7 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 3.1 | 8.5 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 11.0 | 24.2 | 31.2 | 21.0 | 5.5 | 1.2 | .1 | .0 | .0 | .0 | .0 | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 2121

SMOS

2

NAVY WEATHER SERVICE
ATTACHMENT
ADRIAN

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ADRIAN YEARS 1951-1952 MONTH 01
 STATION NAME ADRIAN YEARS 1951-1952 MONTH 01
 ALL WEATHER CLASS 00
 HOURS 151
 CONDITION

| SPEED (KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 0.1 | 0.1 | 1.1 | 0.4 | | | | | | | | 2.8 | 7.8 |
| NNE | 0.1 | 0.1 | 0.1 | | | | | | | | | 1.1 | 5.7 |
| NE | 0.1 | 0.1 | 0.1 | | 0.4 | | | | | | | 1.1 | 5.7 |
| ENE | 0.1 | | 0.1 | 0.1 | | 0.1 | | | | | | 1.1 | 9.2 |
| E | | | | 0.1 | | 0.4 | | | | | | 1.1 | 15.7 |
| ESE | | | 0.1 | 0.1 | 0.4 | | | | | | | 1.1 | 13.3 |
| SE | 0.1 | 0.1 | | 0.4 | | | | | | | | 1.1 | 5.5 |
| SSE | 0.1 | 0.1 | 0.1 | | | | | | | | | 1.1 | 4.5 |
| S | 0.1 | 0.4 | 0.1 | 0.4 | | | | | | | | 6.4 | 4.2 |
| SSW | 1.1 | 0.4 | 1.1 | | | | | | | | | 7.7 | 5.1 |
| SW | 0.1 | 0.1 | 1.1 | | | | | | | | | 11.1 | 5.0 |
| WSW | 1.1 | 0.1 | 0.1 | 0.1 | | | | | | | | 14.2 | 7.7 |
| W | 0.1 | 0.1 | 0.1 | 0.1 | 1.1 | | | | | | | 27.6 | 8.6 |
| WNW | 1.1 | 1.1 | 0.1 | 0.1 | 0.4 | | | | | | | 15.2 | 5.4 |
| NW | 0.1 | 0.1 | 1.1 | 0.4 | 0.4 | | | | | | | 3.1 | 5.9 |
| NNW | 0.1 | 0.1 | 0.4 | | | | | | | | | 1.1 | 4.6 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.2 | |
| | 10.0 | 34.1 | 21.0 | 17.6 | 7.1 | 0.1 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 151

SMOS

NAVAL WEATHER SERVICE
STATION NAME
DATE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 77-100 YEARS: MONTH: HOURS: 15.7

STATION NAME: CLASS: CONDITION:

| SPEED (KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 0.2 | 0.1 | 0.1 | | | | | | | | | 1.0 | 4.0 |
| NNE | | | | | | | | | | | | 1.0 | 5.0 |
| NE | | | | | | | | | | | | 1.0 | 18.8 |
| ENE | | | | 1.2 | | 0.4 | | | | | | 1.0 | 14.2 |
| E | | | | | | | | | | | | 0.4 | 6.0 |
| ESE | | | | | | | | | | | | 0.6 | 5.0 |
| SE | | | | | | | | | | | | 2.7 | 3.7 |
| SSE | | | | | | | | | | | | 3.0 | 4.3 |
| S | | | | | | | | | | | | 13.0 | 5.1 |
| SSW | | | | | | | | | | | | 14.4 | 5.6 |
| SW | | | | | | | | | | | | 15.6 | 6.9 |
| WSW | | | | | | | | | | | | 22.0 | 8.6 |
| W | | | | | | | | | | | | 10.0 | 9.7 |
| WNW | | | | | | | | | | | | 3.1 | 8.6 |
| NW | | | | | | | | | | | | 1.0 | 5.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 1.0 | 36.2 | 23.0 | 14.0 | 3.9 | 1.2 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 257

SMOS

2

NAVY WEATHER SERVICE
DEPARTMENT
WASHINGTON

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ALCANTARA CLASS CL YEARS 1950-1951

STATION 1 NORTH 26 HOURS 11.5

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 5.0 |
| NNE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 7.0 |
| NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 13.0 |
| ENE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 12.0 |
| E | .0 | .0 | .0 | .0 | .0 | 1.1 | .0 | .0 | .0 | .0 | .0 | 3.0 | 16.3 |
| ESE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 3.0 |
| SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 2.0 |
| SSE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.5 | 5.0 |
| S | 1.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.6 | 4.9 |
| SSW | .0 | 4.0 | 1.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.6 | 4.9 |
| SW | 1.0 | 5.0 | 5.0 | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 17.8 | 6.0 |
| WSW | .0 | 7.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 14.4 | 6.0 |
| W | .0 | 6.3 | 4.0 | 6.7 | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | 24.1 | 6.1 |
| WNW | .0 | 1.1 | 5.6 | 1.1 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | 10.0 | 6.1 |
| NW | .0 | .0 | 1.1 | .4 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | 3.3 | 6.3 |
| NNW | 1.1 | .0 | .4 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 20.4 | 34.1 | 24.4 | 13.0 | 2.2 | 1.1 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVY WEATHER SERVICE
FLEET WEATHER
AND CLIMATE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

19-02

YEARS

FF

MONTH

ALL WEATHER

CLASS

HOURS

CONDITION

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | . | . | . | .4 | | | | | | | | 1.5 | 7.8 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | .4 | 1.6 |
| NNE | | | | .4 | | | | | | | | .4 | 1.0 |
| E | . | | . | 1.4 | .4 | 1.2 | | | | | | 3.0 | 15.7 |
| ESE | . | | | | | | | | | | | .4 | 3.0 |
| SE | | . | . | | | | | | | | | 1.2 | 5.7 |
| SSE | | . | . | | | | | | | | | .4 | 5.5 |
| S | | . | . | | | | | | | | | 4.3 | 6.7 |
| SSW | . | 4.3 | 3. | | | | | | | | | 9.1 | 5.7 |
| SW | . | 6.1 | 2. | | | | | | | | | 11.0 | 6.5 |
| WSW | 3.4 | 5.5 | 5.1 | 2. | .4 | | | | | | | 15.4 | 7.2 |
| W | 3. | 7. | 6.7 | 7.9 | 1.6 | .4 | .4 | | | | | 30.3 | 9.2 |
| WNW | 1. | 2. | 2. | 4.7 | .4 | | | | | | | 12.2 | 9.5 |
| NW | . | .4 | .4 | 1.2 | | | | | | | | 3.4 | 6.8 |
| NNW | | . | . | .4 | | | | | | | | 1.6 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.1 | |
| | 14.0 | 2.7 | 2.7 | 19.3 | 2.5 | 1.6 | .4 | | | | | 10.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS

254

SMOS

NAVAL WEATHER SERVICE
STATION REPORT
WIND DATA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: USSA STATION NAME: USSA YEARS: 1954 MONTH: FEB
 CLASS: ALL HOURS: 1
 CONDITION: _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | 1.0 | | | | | | | | | 4.0 | 6.1 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | .4 | | | | | | 1.0 | 13.3 |
| ENE | | .4 | .4 | .4 | | | | | | | | 1.0 | 5.6 |
| E | .4 | 1.0 | 1.0 | 1.0 | | .4 | | | | | | 5.0 | 9.3 |
| ESE | | .4 | 2.0 | .4 | .4 | | | | | | | 3.0 | 10.0 |
| SE | | | 1.0 | 1.0 | | | | | | | | 3.0 | 15.1 |
| SSE | | .4 | .4 | | | | | | | | | .0 | 7.0 |
| S | .4 | .4 | .4 | .4 | | | | | | | | 2.0 | 6.1 |
| SSW | | 1.0 | 1.0 | .4 | | .4 | | | | | | 3.0 | 9.1 |
| SW | .4 | 2.0 | .4 | .4 | .4 | | | | | | | 3.0 | 7.4 |
| WSW | .4 | 1.0 | .4 | 2.0 | .4 | | | | | | | 5.0 | 11.0 |
| W | .4 | .4 | 3.1 | 1.0 | 5.4 | 1.0 | .4 | | | | | 23.5 | 14.5 |
| WNW | .4 | .4 | 2.0 | 12.0 | 3.5 | .4 | | | | | | 22.0 | 13.2 |
| NW | .4 | .4 | 2.0 | 1.1 | 1.2 | | | | | | | 6.0 | 11.2 |
| NNW | 1.0 | 3.0 | 1.0 | .4 | | | | | | | | 7.4 | 5.6 |
| VARB | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | | |
| | 7.0 | 1.0 | 24.0 | 34.0 | 11.2 | 3.0 | .4 | | | | | 100.0 | 11.0 |

TOTAL NUMBER OF OBSERVATIONS 254

NAVAL WEATHER SERVICE
PACIFIC FLEET
HONOLULU, HAWAII

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11-14, JAPAN STATION NAME 22-23 YEARS 1954 MONTH 15 HOURS 11.5 Y
ALL WEATHER CLASS
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | . | 2.7 | . | .6 | | | | | | | | 3.3 | 5.2 |
| NNE | .1 | .4 | . | | | | | | | | | 3.3 | 5.2 |
| NE | | 1. | 1.3 | .7 | | | | | | | | 3.3 | 8.1 |
| ENE | . | .7 | .4 | .4 | .4 | | | | | | | 2.3 | 2.3 |
| E | . | 1.1 | 6.7 | 1.1 | .7 | | | | | | | 7.6 | 9.1 |
| ESE | . | . | 2.7 | 1.9 | | | | | | | | 5.7 | 10.2 |
| SE | | . | .7 | . | | | | | | | | 1.9 | 8.4 |
| SSE | | . | 1.1 | .4 | | | | | | | | 1.1 | 3.0 |
| S | | . | 1. | | | | | | | | | 1.7 | 7.6 |
| SSW | | . | . | | | | | | | | | 1.1 | 6.7 |
| SW | | . | . | . | .4 | | | | | | | 1. | 13.3 |
| WSW | . | . | . | 2.3 | .4 | | .4 | | | | | 4.7 | 12.5 |
| W | . | .7 | . | 12.1 | 4.7 | .7 | .4 | | | | | 19.7 | 15.1 |
| WNW | . | 1. | .4 | 14. | 4.6 | .6 | .4 | | | | | 22.2 | 13.1 |
| NW | . | 1.1 | 1. | 3.4 | .4 | | | | | | | 7.2 | 10.4 |
| NNW | . | 1. | .7 | .4 | | | | | | | | 4.5 | 7.3 |
| VARBL | | | | | | | | | | | | . | |
| CALM | | | | | | | | | | | | . | |
| | 1.5 | 14.7 | 2.9 | 22.4 | 12.1 | 1.7 | 1.1 | | | | | 100.0 | 11.3 |

TOTAL NUMBER OF OBSERVATIONS 204

SMOS

NAVAL WEATHER SERVICE
U.S. NAVY
ATLANTIC OCEANIC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: STATION 01-4 STATION NAME: STATION 01-4 YEARS: 1950

ALL LEATHER CLASS

CONDITION

| SPEED (KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | | .1 | .4 | | | | | | | | 1.1 | 5.0 |
| NNE | | | | .4 | | | | | | | | .7 | 7.0 |
| NE | .1 | | .1 | .7 | | .4 | | | | | | 3.1 | 8.6 |
| ENE | | .1 | .1 | .4 | .4 | | | | | | | 1.1 | 11.5 |
| E | .1 | .1 | .4 | .7 | .4 | | | | | | | 2.7 | 8.4 |
| ESE | | 1.1 | 1.5 | .7 | | | | | | | | 3.7 | 7.4 |
| SE | | .1 | 1.5 | .4 | | | | | | | | 2.7 | 5.3 |
| SSE | .1 | 1.1 | .7 | .7 | | | | | | | | 3.7 | 6.0 |
| S | .1 | .1 | 2.7 | .4 | | | | | | | | 4.1 | 7.5 |
| SSW | .1 | .1 | .7 | | | | | | | | | 1.1 | 6.0 |
| SW | .1 | 1.5 | .1 | .4 | .4 | | | | | | | 4.1 | 7.3 |
| WSW | .1 | .1 | .7 | 2.2 | | | | | | | | 3.7 | 7.8 |
| W | .1 | .4 | 11.5 | .9 | | .7 | | | | | | 17.8 | 9.5 |
| WNW | .1 | 3.7 | 1.7 | .7 | 1.1 | .4 | | | | | | 17.0 | 8.1 |
| NW | .1 | .7 | 3.7 | 1.5 | .4 | | | | | | | 8.9 | 8.0 |
| NNW | 1.1 | .1 | 1.1 | .7 | | | | | | | | 4.1 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.1 | |
| | 11.4 | 20.7 | 31.1 | 21.5 | 2.6 | 1.5 | | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 271

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14

YIAB

FEB
MONT
71
HOUSE - 157

CLAIMS

CONCLUSION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | . | | . | .4 | | | | | | | | 1.1 | 7.7 |
| NNE | | | | .1 | | | | | | | | .4 | 11.0 |
| NE | | | . | | .4 | | | | | | | 1.1 | 12.7 |
| ENE | . | . | | .4 | .4 | | | | | | | 1.6 | 12.8 |
| E | . | | 1.1 | .4 | | . | | | | | | 2. | 12.7 |
| ESE | | | | | | | | | | | | .4 | 11.0 |
| SE | | . | 1. | .4 | | | | | | | | 3.6 | 5.4 |
| SSE | 1. | 1.1 | 1. | | | | | | | | | 4.5 | 5.3 |
| S | . | 1. | . | | | | | | | | | 3.7 | 4.4 |
| SSW | . | 4.1 | 1. | | | | | | | | | 6. | 4.1 |
| SW | 1. | 4.1 | 3. | .7 | | | | | | | | 3.7 | 5.1 |
| WSW | . | .4 | 4.7 | 1.1 | .4 | | | | | | | 11. | 7.5 |
| W | . | 1. | 11.5 | 4.1 | 3.2 | .7 | | | | | | 72.7 | 3.5 |
| WNW | . | 1. | 7. | 4.1 | | | | | | | | 5.7 | 9.3 |
| NW | . | . | 1. | .7 | .7 | | | | | | | 4.5 | 4.9 |
| NNW | | 1. | .7 | | | | | | | | | 2.5 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.1 | |
| | 1. | 3.7 | 33.1 | 13.7 | 4.1 | 1. | | | | | | 10.7 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS

143

SMOS

1
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: _____ STATION NAME: _____ YEARS: _____
 ALL FATHER CLASS MONTH: _____
 ALL HOUR: _____
 CONDITION: _____

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NNE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ESE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| VARBL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CALM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1.0 | 2.0 | 27.2 | 21.5 | 5.0 | 1.0 | 0.2 | | | | | 10.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 173

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND FORCE
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

AD
MONTH

SECRET

CLASS

1
MOURS 1 2 3 4

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.1 | 1.1 | 1.1 | | | | | | | | 4.3 | 3.6 |
| NNE | | | | | | | | | | | | 3.4 | 7.0 |
| NE | | 1.1 | 1.1 | 1.1 | | | | | | | | 3.2 | 6.7 |
| ENE | | 1.1 | 1.1 | 1.1 | .4 | | | | | | | 3.2 | 5.3 |
| E | .7 | 1.4 | 1.1 | 1.1 | .4 | .4 | | | | | | 12.7 | 5.3 |
| ESE | | .4 | 1.1 | 1.1 | 1.4 | .4 | | | | | | 14.6 | 13.6 |
| SE | .4 | .4 | 1.1 | 1.4 | 1.1 | .7 | | | | | | 14.6 | 13.9 |
| SSE | | .4 | | | | | | | | | | 14.6 | 13.9 |
| S | | | 1.1 | 1.4 | | | | | | | | 14.6 | 13.9 |
| SSW | | | 1.1 | 1.4 | .4 | | | | | | | 14.6 | 13.9 |
| SW | | | 1.1 | 1.1 | 1.4 | | | | | | | 14.6 | 13.9 |
| WSW | | | 1.1 | 1.1 | 1.4 | 1.1 | | | | | | 14.6 | 13.9 |
| W | | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | | 14.6 | 13.9 |
| WNW | | .4 | .4 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | 14.6 | 13.9 |
| NW | | .4 | .4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | 14.6 | 13.9 |
| NNW | | .4 | .4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | 14.6 | 13.9 |
| VARIABLE | | | | | | | | | | | | 14.6 | 13.9 |
| CALM | | | | | | | | | | | | 14.6 | 13.9 |
| | .7 | 7.9 | 27.4 | 35.6 | 17.9 | 9.4 | | | | | | 10.0 | 13.4 |

TOTAL NUMBER OF OBSERVATIONS

231

SMOS

10
2

NAVAL WEATHER SERVICE
FLEET WEATHER
STATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME STATION NAME 17-3 YEARS 19
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .1 | .1 | .2 | | | | | | | | 2.7 | 7.9 |
| NNE | .1 | .1 | | .2 | | | | | | | | 2.7 | 8.0 |
| NE | | | .1 | | | | | | | | | .4 | 7.0 |
| ENE | | .1 | .1 | 1.2 | .4 | | | | | | | 2.7 | 11.7 |
| E | .1 | 1.1 | 2.4 | .4 | .4 | | | | | | | 5.5 | 7.9 |
| ESE | .1 | 1.1 | 1.1 | 2.7 | .8 | .1 | | | | | | 12.7 | 10.2 |
| SE | | 1.2 | .1 | 1.6 | .4 | | .4 | | | | | 7.6 | 10.3 |
| SSE | | .1 | .1 | | | | | | | | | 2.4 | 5.5 |
| S | | 1.1 | 1.1 | 1.6 | | | | | | | | 7.1 | 8.7 |
| SSW | | .1 | 1.2 | 2.7 | | | | | | | | 6.1 | 3.5 |
| SW | | 1.1 | 2.1 | 2.4 | 1.2 | | | | | | | 7.6 | 10.8 |
| WSW | .1 | .1 | 2.1 | 3.5 | 2.4 | .4 | .4 | | | | | 9.8 | 14.1 |
| W | .1 | 1.2 | 1.1 | 1.1 | 4.7 | 1.6 | .4 | | | | | 12.6 | 15.4 |
| WNW | | 1.1 | 1.1 | 4.3 | 1.1 | .4 | | | | | | 12.7 | 13.2 |
| NW | | | .1 | 1.2 | 1.2 | | | | | | | 4.3 | 12.3 |
| NNW | | 1.1 | .1 | 1.2 | | | | | | | | 3.5 | 7.9 |
| VARB | | | | | | | | | | | | 1.2 | |
| CALM | | | | | | | | | | | | | |
| | 1.7 | 10.2 | 30.4 | 24.7 | 14.5 | 3.1 | 1.2 | | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 255

SMOS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: US-81 STATION NAME: 11-12 YEARS: 1950-1951 MONTH: ALL
 CLASS: ALL WEATHER HOURS: 11-12
 CONDITION:

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | . | 1.1 | . | .4 | | | | | | | | 2.0 | 5.4 |
| NNE | . | . | . | | | | | | | | | 1.1 | 5.3 |
| NE | . | . | | | | | | | | | | 1.1 | 3.7 |
| NNE | . | . | | .4 | | | | | | | | . | 5.0 |
| E | 1.1 | 1.1 | .4 | 1.1 | .4 | | | | | | | 4.7 | 7.6 |
| ESE | . | .4 | 2.7 | 1.5 | .4 | .4 | | | | | | 6.0 | 10.7 |
| SE | . | .4 | 2.7 | . | .3 | | | | | | | 6.0 | 8.1 |
| SSE | . | 2.3 | . | .4 | | | | | | | | 4.0 | 4.7 |
| S | 1.0 | 2.0 | 1.0 | .4 | .4 | | | | | | | 7.0 | 6.6 |
| SSW | 1.0 | 2.3 | 3.4 | . | | | | | | | | 7.0 | 5.5 |
| SW | . | 5.6 | 5.6 | .4 | | | .4 | | | | | 14.7 | 6.6 |
| WSW | .1 | 1.1 | 1.0 | 3.0 | 1.0 | | | | | | | 11.7 | 8.6 |
| W | .1 | 4.1 | 4.1 | 3.0 | 1.0 | | | | | | | 16.2 | 8.6 |
| WNW | . | 1.1 | 2.3 | 2.3 | .4 | | | | | | | 6.0 | 9.7 |
| NW | . | . | . | | | | | | | | | .4 | 6.5 |
| NNW | . | 1.1 | .2 | | | | | | | | | 3.0 | 4.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 1.0 | 1.0 | 2.7 | 1.0 | .4 | .4 | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 266

SMOS

10
2

NAVAL WEATHER SERVICE
DETACHMENT
AGRICULTURE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 1-2, JAPAN STATION NAME: 77-32 YEARS: MONTH: DAY: HOURS: 11 57

CLASS: ALL-WEATHER CONDITION:

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .0 | .0 | | | | | | | | | | 2.4 | 5.0 |
| NNE | .0 | | .4 | | | | | | | | | 1.2 | 4.0 |
| NE | .0 | .0 | | | | | | | | | | 1.0 | 3.5 |
| ENE | .0 | .4 | .0 | | .4 | | | | | | | 2.0 | 4.0 |
| E | .0 | .0 | .0 | .4 | .4 | | | | | | | 3.1 | 7.0 |
| ESE | | 1.0 | 1.0 | 2.0 | .4 | | | | | | | 5.0 | 10.3 |
| SE | .0 | 2.0 | 1.0 | .0 | .4 | .4 | | | | | | 7.0 | 7.6 |
| SSE | 1.0 | 1.0 | | | | | | | | | | 2.0 | 3.9 |
| S | 1.0 | 2.0 | 1.0 | .4 | | | | | | | | 6.3 | 5.0 |
| SSW | .2 | .1 | .4 | .4 | | | | | | | | 11.0 | 6.2 |
| SW | 1.0 | 3.0 | 4.0 | .6 | | | | | | | | 10.0 | 6.8 |
| WSW | .0 | .1 | .0 | 3.0 | 1.6 | | | | | | | 13.0 | 9.2 |
| W | 2.0 | .1 | 2.0 | .1 | .0 | .4 | | | | | | 13.0 | 9.4 |
| WNW | .0 | .4 | .0 | 1.6 | .4 | | | | | | | 6.7 | 7.8 |
| NW | .0 | .0 | 1.0 | .0 | | | | | | | | 3.1 | 6.0 |
| NNW | 1.0 | .4 | .4 | | | | | | | | | 2.4 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.1 | |
| | 10.0 | 31.0 | 23.0 | 16.0 | 4.3 | .4 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 244

8805

2

NAVAL WEATHER SERVICE
DETACHMENT
ATOKLEUNG

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
ATOKLEUNG, JAPAN

STATION NAME

12-47

YEARS

APR

MOUTH

ALL WEATHER

CLASS

CC

HOURLY

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | .0 | .0 | | | | | | | | | 2.0 | 4.0 |
| NNE | .0 | .0 | | | | | | | | | | 1.2 | 3.7 |
| NE | .0 | .0 | | | | | | | | | | .0 | 3.5 |
| ENE | .0 | .0 | .0 | | | | | | | | | .0 | 5.5 |
| E | .0 | .0 | .0 | .0 | .0 | | | | | | | 2.0 | 10.1 |
| ESE | .0 | 1.0 | 1.0 | .0 | .0 | .0 | | | | | | 6.1 | 9.5 |
| SE | .0 | .0 | 1.0 | 1.0 | .0 | | | | | | | 4.0 | 9.3 |
| SSE | 1.0 | 1.0 | | | | | | | | | | 2.0 | 3.6 |
| S | .0 | 2.0 | .0 | 1.0 | | | | | | | | 9.4 | 5.7 |
| SSW | .0 | .0 | 4.0 | .0 | | | | | | | | 4.0 | 7.2 |
| SW | .0 | 2.0 | 4.0 | 2.0 | .0 | | | | | | | 11.1 | 8.5 |
| WSW | 1.0 | 3.0 | 4.0 | 2.0 | .0 | | | | | | | 13.1 | 8.5 |
| W | 4.0 | 2.0 | 2.0 | 4.0 | .0 | | .0 | | | | | 15.6 | 8.1 |
| WNW | .0 | 2.0 | 1.0 | 1.0 | .0 | | | | | | | 7.0 | 9.4 |
| NW | 1.0 | 1.0 | 1.0 | .0 | .0 | | | | | | | 5.0 | 6.9 |
| NNW | .0 | .0 | | | | | | | | | | 1.0 | 3.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.6 | |
| | 1.0 | 25.0 | 26.2 | 16.0 | 4.9 | .0 | .0 | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS

244

8806

2

NAVAL WEATHER SERVICE
FLEET METEOROLOGICAL CENTER
ATMOSPHERIC DIVISION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 3, JAPAN YEARS: 77-82 MONTH: NORTH
CLASS: ALL HOURS: 11 5 T
CONDITION: _____

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 1.1 | .0 | .0 | | | | | | | | 2.3 | 5.9 |
| NNE | .0 | .0 | .0 | .0 | | | | | | | | 1.1 | 6.2 |
| NE | .0 | .4 | .4 | .0 | .1 | .1 | | | | | | 1.1 | 7.1 |
| NNE | .0 | .0 | .0 | .3 | | | | | | | | 1.2 | 8.6 |
| E | .0 | .0 | 1.4 | 1.0 | .4 | .2 | | | | | | 4.2 | 9.9 |
| ESE | .0 | 1.0 | 1.0 | 1.0 | .2 | .1 | | | | | | 3.3 | 9.5 |
| SE | .0 | 1.1 | 1.0 | 1.4 | .6 | .1 | | | | | | 5.1 | 9.9 |
| SSE | .0 | 1.4 | .0 | .0 | .0 | | | | | | | 3.2 | 5.9 |
| S | 1.1 | 1.0 | 1.1 | .4 | | | | | | | | 4.4 | 5.9 |
| SSW | 1.1 | 2.0 | 1.4 | .0 | .0 | | | | | | | 5.7 | 5.7 |
| SW | 1.1 | 3.0 | 2.6 | .0 | .4 | | .1 | | | | | 8.5 | 7.1 |
| WSW | 1.2 | 2.0 | 2.4 | 2.5 | .5 | .0 | .0 | | | | | 10.4 | 5.6 |
| W | .0 | 4.0 | 5.0 | 6.1 | 3.4 | .4 | .2 | .0 | | | | 22.5 | 11.0 |
| WNW | 1.0 | 1.6 | 2.7 | 4.3 | 2.3 | .7 | .1 | | | | | 13.5 | 12.5 |
| NW | .0 | 1.1 | 1.0 | 1.0 | .2 | .0 | | | | | | 5.4 | 7.3 |
| NNW | .0 | .0 | .0 | .0 | .0 | | | | | | | 2.0 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.9 | |
| | 11.0 | 24.7 | 27.0 | 22.0 | 8.3 | 2.1 | .4 | .0 | | | | 100.0 | 9.0 |

TOTAL NUMBER OF OBSERVATIONS 2251

SMOS

2

NAVAL WEATHER SERVICE
ATTACHMENT
WIND VOLUME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14 JAN 41 STATION NAME 73-22 YEARS 1941
CLASS LL LEATHER NORTH 21
CONDITION HOURS 1157

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | .1 | .1 | | | | | | | | | | .2 | 4.0 |
| NNE | .1 | | | | | | | | | | | .4 | 3.0 |
| NE | | .1 | | | | .4 | | | | | | .7 | 15.0 |
| NNE | .1 | | .1 | 1.1 | .7 | .4 | | | | | | 2.1 | 10.3 |
| E | | 1.1 | .1 | .7 | .7 | .4 | | | | | | 3.5 | 13.1 |
| ESE | | 1.1 | 1.1 | .4 | .4 | | | | | | | 3.2 | 8.6 |
| SE | | 1.1 | 1.1 | 1.1 | .4 | | | | | | | 5.0 | 8.7 |
| SSE | | .1 | | | | | | | | | | 2.1 | 5.3 |
| S | .2 | 3.7 | 1.1 | .7 | | | | | | | | 5.5 | 5.3 |
| SSW | .1 | 3.1 | 1.1 | | | | | | | | | 4.5 | 5.5 |
| SW | .1 | 6.1 | 1.4 | .7 | | | | | | | | 11.4 | 5.3 |
| WSW | .1 | 2.1 | 2.1 | 1.1 | .4 | | | | | | | 3.5 | 6.8 |
| W | .1 | .2 | 1.7 | 6.4 | 2.5 | | | .4 | | | | 10.3 | 7.4 |
| WNW | 1.1 | 1.1 | 2.5 | 4.3 | .4 | .4 | | | | | | 10.3 | 10.3 |
| NW | | .1 | .7 | .7 | | | | | | | | 4.3 | 6.8 |
| NNW | | 1.1 | .7 | | | | | | | | | 1.7 | 6.2 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.7 | |
| | 17.1 | 37.0 | 24.1 | 17.1 | 4.6 | 1.1 | | .4 | | | | 10.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 261

SMOS

2

U.S. AIR FORCE
OFFICE OF THE
AIR FORCE ATTACHE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____
 CLAS _____ MONTH _____
 COORDINATE _____ HOURS (LST) _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 5.5 |
| NNE | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 5.7 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 9.4 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 7.7 |
| E | 1.0 | 1.4 | 1.4 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 9.3 |
| ESE | 0 | 2.4 | 2.0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.1 | 8.2 |
| SE | 0 | 1.7 | 1.4 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 8.3 |
| SSE | 0 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 5.4 |
| S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 8.3 |
| SSW | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 6.6 |
| SW | 0 | 1.0 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 6.0 |
| WSW | 0 | 1.4 | 3.4 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.5 | 9.8 |
| W | 0 | 3.4 | 7.5 | 7.8 | 4.1 | 1.0 | 0 | 0 | 0 | 0 | 0 | 24.1 | 11.7 |
| WNW | 0 | 3.7 | 6.0 | 6.6 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.0 | 10.1 |
| NW | 0 | 1.4 | 4.1 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 8.7 |
| NNW | 0 | 0 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 7.7 |
| YARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 0 | 21.4 | 33.0 | 24.1 | 7.8 | 2.0 | 0 | 0 | 0 | 0 | 0 | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 295

SMOS

2

NAVY WEATHER SERVICE
DEPARTMENT OF THE NAVY
WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4, JAPAN STATION NAME 17-12 YEARS 1941
ALL WEATHER
CLASS
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | . | 7.1 | 1.4 | .7 | | | | | | | | 4.5 | 6.6 |
| NNE | . | . | .3 | .7 | | | | | | | | 1.0 | 5.3 |
| NE | . | .7 | 1.7 | .3 | | | | | | | | 2.7 | 7.9 |
| ENE | . | . | 1.7 | .7 | | | | | | | | 2.4 | 6.6 |
| E | . | 2.1 | 3.5 | 1.7 | .7 | .7 | | | | | | 7.7 | 9.7 |
| ESE | . | . | 3.5 | 4.9 | .3 | | | | | | | 9.8 | 11.4 |
| SE | . | .7 | 1.7 | 2.1 | .3 | .3 | | | | | | 4.5 | 13.1 |
| SSE | . | . | . | .7 | .3 | | | | | | | 1.0 | 14.3 |
| S | . | . | .7 | .3 | | | | | | | | 1.4 | 8.5 |
| SSW | . | . | . | .7 | | | | | | | | 1.0 | 11.7 |
| SW | . | . | 2.1 | 1.4 | .3 | | | | | | | 4.2 | 11.4 |
| WSW | . | . | . | 3.2 | .3 | | | | | | | 5.2 | 13.1 |
| W | . | . | 1.7 | .7 | 6.6 | 3.1 | .3 | | | | | 19.9 | 16.7 |
| WNW | . | . | 2.1 | 9.1 | 6.6 | 2.4 | .3 | | | | | 11.0 | 16.2 |
| NW | . | . | 1.4 | 6.3 | .3 | | | | | | | 8.4 | 12.4 |
| NNW | . | . | 1.4 | 2.7 | .3 | | | | | | | 4.7 | 11.1 |
| VARIABLE | | | | | | | | | | | | . | |
| CALM | | | | | | | | | | | | . | |
| | 1.7 | 9.4 | 22.4 | 44.4 | 16.1 | 6.7 | .7 | | | | | 100.0 | 13.2 |

TOTAL NUMBER OF OBSERVATIONS 286

BMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHGROVE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHGROVE, NC STATION NAME ASHGROVE, NC YEARS 1951-1952

CLASS ALL WEATHER

CONDITION ALL WEATHER

DATE 1952 MONTH 12 HOUR 12

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0 | 2.0 | 1.7 | 0.7 | | | | | | | | 5.2 | 7.1 |
| NNE | 0 | 0.7 | 0.7 | | | | | | | | | 1.7 | 5.4 |
| NE | | 1.0 | 0.7 | | | | | | | | | 2.0 | 5.6 |
| ENE | | 0 | 1.0 | | | | | | | | | 1.4 | 7.5 |
| E | | 0.7 | 3.0 | 1.7 | 0.7 | | | | | | | 6.3 | 9.7 |
| ESE | 0 | 0.7 | 3.0 | 4.5 | | 0.7 | | | | | | 9.0 | 10.4 |
| SE | 0 | 0.7 | 1.0 | 1.0 | 1.4 | 0.7 | | | | | | 5.0 | 12.9 |
| SSE | 0 | 1.0 | 1.4 | 0.7 | | | | | | | | 3.1 | 7.0 |
| S | | | | | | | | | | | | | |
| SSW | 0 | 0.7 | 0.7 | 0.3 | 0.7 | | | | | | | 2.1 | 5.5 |
| SW | | 0.7 | 0.7 | 0.7 | 1.4 | | 0.3 | | | | | 2.1 | 14.4 |
| WSW | | 0.7 | 1.0 | 4.5 | 0.7 | | | | | | | 7.7 | 12.7 |
| W | 0 | 0.7 | 1.0 | 5.6 | 6.6 | 1.0 | 0.3 | | | | | 17.8 | 15.9 |
| WNW | | 1.0 | 2.1 | 1.1 | 5.6 | 2.1 | 0.7 | | | | | 22.7 | 16.0 |
| NW | | 1.0 | 3.1 | 2.1 | 0.3 | 0.7 | | | | | | 7.0 | 10.5 |
| NNW | 0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.2 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.7 | |
| | 7.0 | 12.6 | 24.0 | 34.3 | 17.8 | 4.0 | 1.4 | | | | | 100.0 | 12.4 |

TOTAL NUMBER OF OBSERVATIONS 266

SMOS

2

NAVY WEATHER SERVICE
DEPARTMENT
WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION YOKOSUKA, JAPAN STATION NAME 72-12 YEARS 1951
 ALL WEATHER
 CLIM
 MONTH 06
 HOURS 11 57
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 54 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.0 | | | | | | | | | | 2.5 | 4.3 |
| NNE | .7 | .7 | .7 | | | | | | | | | 1.8 | 4.2 |
| NE | | .4 | .4 | | | | | | | | | .4 | 6.0 |
| ENE | | .4 | .4 | | | | | | | | | .7 | 6.1 |
| E | | .7 | .7 | .7 | | | | | | | | 1.5 | 9.7 |
| ESE | | .7 | 1.1 | 1.4 | | .4 | | | | | | 3.6 | 10.7 |
| SE | | 1.0 | 1.0 | 1.1 | 1.1 | | | | | | | 5.4 | 10.7 |
| SSE | 1.4 | .7 | 1.4 | .4 | | | | | | | | 4.0 | 6.1 |
| S | | 1.4 | 3.3 | 1.1 | | | | | | | | 5.0 | 6.7 |
| SSW | 1.0 | 2.2 | 2.2 | .7 | | | | | | | | 6.9 | 6.1 |
| SW | .4 | 2.0 | 5.0 | .7 | .4 | | | | | | | 10.1 | 7.7 |
| WSW | 1.1 | 2.7 | 5.1 | 3.6 | .4 | | .4 | | | | | 13.4 | 9.4 |
| W | .7 | 2.0 | 5.1 | 8.3 | 3.6 | | .4 | | | | | 21.0 | 12.1 |
| WNW | .7 | 1.0 | 2.2 | 4.7 | 2.2 | .4 | | | | | | 12.0 | 12.2 |
| NW | | 1.1 | 1.4 | 2.2 | .4 | | | | | | | 5.1 | 10.6 |
| NNW | 1.1 | .4 | .7 | 1.1 | | | | | | | | 3.3 | 7.0 |
| VARS | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.2 | |
| | .7 | 22.5 | 31.5 | 26.1 | 9.0 | .7 | .7 | | | | | 170.0 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS 276

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
AMMOCO, JAPAN

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: AMMOCO, JAPAN YEARS: 77-78

CLASS: ALL WEATHER

CONDITION:

STATION: NORTH: HOURS: 12 1

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .0 | .0 | | | | | | | | | 1.0 | 5.0 |
| NNE | | .0 | | | | | | | | | | .3 | 6.0 |
| NE | | .0 | | | | | | | | | | .3 | 6.0 |
| ENE | | .0 | .0 | | | | | | | | | .7 | 7.0 |
| E | .0 | | 1.0 | | .3 | | | | | | | 2.1 | 9.0 |
| ESE | | .0 | .0 | .0 | | | | | | | | 1.7 | 9.0 |
| SE | .0 | .0 | 1.0 | 1.4 | .7 | | | | | | | 4.5 | 6.0 |
| SSE | 1.0 | 1.0 | .0 | .3 | | | | | | | | 2.4 | 5.0 |
| S | .0 | .0 | 1.4 | .3 | | | | | | | | 8.7 | 4.0 |
| SSW | .0 | 7.2 | 3.0 | | | | | | | | | 13.6 | 5.0 |
| SW | .0 | 6.0 | 5.0 | 1.0 | .7 | | | | | | | 15.0 | 7.0 |
| WSW | .1 | 4.5 | 6.4 | 1.4 | .3 | | | | | | | 14.0 | 7.0 |
| W | 4.1 | 5.0 | 5.0 | 1.0 | 1.7 | | | | | | | 17.6 | 7.0 |
| WNW | 1.0 | .3 | 2.0 | 2.1 | .3 | | | | | | | 7.2 | 9.0 |
| NW | 1.0 | | .0 | 1.0 | | | | | | | | 3.4 | 6.0 |
| NNW | .0 | .0 | .0 | | | | | | | | | 1.7 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.1 | |
| | 70.3 | 32.1 | 31.0 | 6.3 | 4.1 | | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 290

SMOS

2

NATIONAL WEATHER SERVICE
DEPARTMENT
ANNEX 111-11

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____
 ALL WEATHER CLASS _____
 CONDITION _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .4 | | | | | | | | | | 1.1 | 2.0 |
| NNE | .4 | | .7 | .4 | | | | | | | | 1.1 | 7.0 |
| NE | | | | | .4 | | | | | | | .4 | 20.0 |
| ENE | | .4 | | .4 | | | | | | | | .7 | 9.0 |
| E | .7 | .7 | 1.1 | .4 | | | | | | | | 3.9 | 7.0 |
| ESE | 1.1 | .7 | .4 | | | | | | | | | 2.6 | 4.0 |
| SE | .4 | 1.1 | 1.1 | 1.1 | .4 | | | | | | | 4.4 | 7.0 |
| SSE | .4 | 1.1 | .7 | .4 | | | | | | | | 3.3 | 6.0 |
| S | 1.1 | .7 | .7 | | | | | | | | | 5.0 | 4.0 |
| SSW | .4 | .7 | 1.1 | .4 | | | | | | | | 8.5 | 5.0 |
| SW | .4 | 6.6 | 2.6 | .4 | .4 | | | | | | | 12.9 | 5.0 |
| WSW | 1.1 | 6.2 | 4.1 | 2.2 | .4 | | | | | | | 13.3 | 7.0 |
| W | 4.0 | 6.2 | 7.4 | 2.6 | 1.5 | .7 | .7 | | | | | 22.6 | 5.0 |
| WNW | .4 | 1.1 | 2.6 | 1.6 | .7 | | | | | | | 8.5 | 8.0 |
| NW | .4 | 1.1 | 1.1 | .7 | | | | | | | | 4.1 | 6.0 |
| NNW | .7 | .4 | .4 | | | | | | | | | 1.1 | 5.0 |
| VARBL | | | | | | | | | | | | 6.3 | |
| CALM | | | | | | | | | | | | | |
| | 1.1 | 33.0 | 25.1 | 10.7 | 3.7 | .7 | .7 | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 271

BMOS

10
2

NAVAL WEATHER SERVICE
DETACHMENT
ATRECELE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION 10-4, JEPAN STATION NAME 77-41 YEARS 48
 ALL WEATHER CLASS 00 MONTH 00
 HOURS 11 57
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEA
WIN
SPEI |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|--------------------|
| N | . | | | | | | | | | | | .4 | 3. |
| NNE | | | | | | | | | | | | .4 | 24. |
| NE | | | | | | .4 | | | | | | .4 | 13. |
| ENE | | | | .4 | | | | | | | | .4 | 12. |
| E | . | | . | 1.1 | .7 | | | | | | | 3. | 7. |
| ESE | . | 1.1 | .7 | .7 | .4 | | | | | | | 4. | 7. |
| SE | . | 1. | .7 | 1.1 | | | | | | | | 4. | 3. |
| SSE | . | .7 | .4 | | | | | | | | | 4. | 5. |
| S | .1 | 1. | 1.1 | .4 | | | | | | | | 6. | 4. |
| SSW | . | 4.7 | . | | | | | | | | | 8. | 5. |
| SW | .1 | .1 | 1.4 | .7 | | | | | | | | 13. | 7. |
| WSW | . | 4.7 | 4. | 1.4 | 1.1 | | | | | | | 29. | 5. |
| W | . | 6.0 | 6.7 | 7.2 | .7 | .4 | | | | | | 6. | 9. |
| WNW | . | 1.1 | 1.4 | 2.3 | .7 | | | | | | | 2. | 7. |
| NW | . | . | 1. | | | | | | | | | 2. | 5. |
| NNW | .1 | 1.1 | .4 | .4 | | | | | | | | 6. | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6. | |
| | 2.3 | 30.4 | 22.1 | 16.7 | 3.6 | .7 | | | | | | 100.0 | 6. |

TOTAL NUMBER OF OBSERVATIONS 27

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ATKINS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION NAME

STATION NAME

19-01

YEARS

APP

MONTH

ALL WEATHER

CLASS

1st

HOURS 11 5 7

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | ME/
WIND
SPE |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|--------------------|
| N | | .1 | | .7 | .4 | | | | | | | 1.2 | 10 |
| NNE | | .1 | .4 | .7 | | | | | | | | 2.1 | 5 |
| NE | | | 1.4 | | | | | | | | | 1.4 | 8 |
| ENE | | | 2.1 | .7 | | | | | | | | 3.8 | 8 |
| E | .1 | .4 | 6.1 | 5.8 | .7 | | | | | | | 12.1 | 10 |
| ESE | | 1.4 | 4.8 | 9.3 | 2.1 | .7 | | | | | | 18.6 | 12 |
| SE | | .4 | .4 | 3.9 | .4 | .4 | | | | | | 5.4 | 13 |
| SSE | | | | .4 | | | | | | | | .7 | 11 |
| S | | | | 1.1 | | | | | | | | 1.4 | 13 |
| SSW | | | | .7 | | | | | | | | .7 | 11 |
| SW | | .1 | | 2.1 | .7 | | | | | | | 3.8 | 14 |
| WSW | | | 1.4 | 2.1 | 5.4 | .7 | .7 | | | | | 10.4 | 17 |
| W | | 1.1 | .4 | 3.9 | 5.8 | 2.1 | 1.4 | | | | | 14.7 | 13 |
| WNW | | | | 7.9 | 3.2 | 3.2 | | | | | | 11.1 | 17 |
| NW | | | 1.4 | 5.7 | 1.1 | .7 | | | | | | 8.9 | 14 |
| NNW | .1 | .4 | 1.1 | 1.4 | | | | | | | | 3.8 | 10 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | .1 | 7.1 | 20.7 | 41.8 | 18.9 | 7.9 | 2.5 | | | | | 100.0 | 10 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

11
2

NAVAL WEATHER SERVICE
DETACHMENT
ANDREWS AFB

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION NAME: ANDREWS AFB, TEXAS YEARS: 1954-55 MONTH: APR
 CLASS: ALL WEATHER HOURS: 12-17
 CONDITION: _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEA
WIN
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|---------------------|
| N | .0 | 0.2 | 1.1 | | | | | | | | | 3.0 | 5 |
| NNE | . | 1.4 | .4 | | | | | | | | | 2.8 | 5 |
| NE | | 1.4 | .4 | | | | | | | | | 1.8 | 5 |
| ENE | .0 | 1.4 | .4 | .4 | .4 | .4 | | | | | | 3.0 | 9 |
| E | .0 | .4 | 1.0 | 1.4 | | | | | | | | 2.8 | 7 |
| ESE | .4 | 2.0 | 4.7 | 4.0 | 1.4 | | | | | | | 13.4 | 10 |
| SE | | .0 | 2.0 | 4.3 | | .4 | | | | | | 10.1 | 9 |
| SSE | | 1.0 | .4 | | | | | | | | | 1.4 | 5 |
| S | .0 | .7 | .7 | 1.1 | | | | | | | | 2.5 | 9 |
| SSW | .4 | .4 | .7 | | | | | | | | | 1.4 | 7 |
| SW | | | 1.1 | .7 | .4 | | | | | | | 2.2 | 12 |
| WSW | | .0 | 2.0 | 4.3 | 1.0 | | | | | | | 8.7 | 12 |
| W | | .0 | 2.0 | 6.0 | 1.0 | .7 | .7 | | | | | 14.1 | 13 |
| WNW | | .0 | 4.7 | 5.8 | 1.4 | 1.1 | | | | | | 13.4 | 12 |
| NW | | 1.0 | 1.0 | 4.0 | .4 | | | | | | | 7.6 | 10 |
| NNW | .4 | .4 | 2.0 | .7 | | | | | | | | 4.3 | 6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | 1.3 | 22.5 | 29.0 | 34.1 | 7.6 | 2.5 | .7 | | | | | 100.0 | 10 |

TOTAL NUMBER OF OBSERVATIONS 2

SMOS

10
2

U.S. NAVY WEATHER SERVICE
PACIFIC OCEAN
AT THE UNIVERSITY

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME AT JAPAN 77-50 APR
STATION NAME ALL WEATHER 21
CLASS 21
CONDITION 21
HOURS (L.S.T.)

| SPEED (KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 0 | | | | | | | | | | | 0.4 | 3. |
| NNE | 1.2 | | | | 0.4 | | | | | | | 2.4 | 6. |
| NE | | | | 0.4 | | | | | | | | 0.4 | 12. |
| ENE | 0.2 | | | | | | | | | | | 1.2 | 3. |
| E | 1.2 | 1.6 | 0.4 | 1.6 | | | | | | | | 4.0 | 7. |
| ESE | 0.2 | 1.2 | 3.6 | 0.4 | | 0.4 | | | | | | 6.1 | 8. |
| SE | 0 | 2.4 | 4.0 | 1.2 | | | | | | | | 10.0 | 6. |
| SSE | 0.2 | 2.0 | 0.4 | | | | | | | | | 3.7 | 5. |
| S | 0.2 | 2.0 | 0.4 | 1.6 | | | | | | | | 4.0 | 3. |
| SSW | 0.2 | 1.2 | 1.6 | 1.2 | | | | | | | | 4.0 | 4. |
| SW | 0.2 | 1.2 | 2.0 | 1.6 | | | | | | | | 6.0 | 7. |
| WSW | 1.0 | 2.0 | 2.0 | 3.7 | 2.0 | 0.4 | | | | | | 13.0 | 10. |
| W | 0 | 3.6 | 5.6 | 3.3 | 0.4 | 0.4 | | | | | | 15.1 | |
| WNW | 0 | 2.4 | 2.4 | 2.0 | 0.8 | 0.8 | | | | | | 10.0 | 15. |
| NW | | 0 | 1.0 | 0.4 | | | | | | | | 2.0 | 3. |
| NNW | 1.0 | 1.2 | 0.4 | 0.4 | | | | | | | | 4.1 | 5. |
| VARIABLE | | | | | | | | | | | | 4.0 | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 24.0 | 29.0 | 12.8 | 3.7 | 2.4 | | | | | | 100.0 | 7. |

TOTAL NUMBER OF OBSERVATIONS 24

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION 1275 STATION NAME 17-97 YEARS MONTH ALL WEATHER CLASS ALL HOURS (L S T) CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEA WIN SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|---------------|
| N | .0 | 1.1 | .0 | .4 | .0 | | | | | | | 2.5 | 6.0 |
| NNE | .4 | .5 | .4 | .2 | .0 | | | | | | | 1.5 | 6.0 |
| NE | .0 | .0 | .0 | .2 | .0 | | | | | | | 1.5 | 7.0 |
| ENE | .0 | .0 | 1.0 | .5 | .2 | .0 | | | | | | 2.5 | 8.0 |
| E | .0 | 1.0 | 2.6 | 1.8 | .4 | .0 | | | | | | 7.0 | 9.0 |
| ESE | .0 | 1.0 | 3.3 | 4.0 | 1.0 | .4 | | | | | | 10.7 | 11.0 |
| SE | .0 | 2.0 | 2.2 | 1.0 | .4 | .0 | .0 | | | | | 7.2 | 9.0 |
| SSE | .0 | 1.4 | .7 | .1 | | | | | | | | 2.5 | 5.0 |
| S | .0 | 1.0 | 1.5 | 1.1 | .0 | | | | | | | 5.1 | 7.0 |
| SSW | .0 | 1.0 | 2.0 | 1.0 | .0 | | | | | | | 5.1 | 7.0 |
| SW | .0 | 2.0 | 2.0 | 1.5 | .5 | | .0 | | | | | 7.7 | 8.0 |
| WSW | 1.0 | 1.0 | 2.4 | 3.2 | 2.2 | .5 | .1 | | | | | 11.1 | 11.0 |
| W | 1.0 | 2.1 | 2.0 | 4.0 | 2.8 | 1.1 | .4 | | | | | 14.4 | 12.0 |
| WNW | .0 | 1.0 | 2.1 | 3.4 | 1.9 | 1.0 | | | | | | 9.9 | 12.0 |
| NW | .0 | .0 | 1.4 | 2.2 | .5 | .1 | | | | | | 5.1 | 11.0 |
| NNW | .0 | .0 | 1.0 | .7 | | | | | | | | 3.0 | 7.0 |
| YARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 1.5 | 20.5 | 26.7 | 26.1 | 10.1 | 3.0 | .7 | | | | | 100.0 | 9.0 |

TOTAL NUMBER OF OBSERVATIONS 21

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
AGRIVILLE NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: A, JAPAN STATION NAME: 73-82 YEARS: MAY MONTH: 00 HOURS: 11 57

ALL WEATHER CLASS: CONDITION:

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .2 | .5 | .6 | .4 | | | | | | | | 2.3 | 5.2 |
| NNE | 1.2 | 1.5 | | | | | | | | | | 2.7 | 3.6 |
| NE | 1.2 | .5 | | | | | | | | | | 1.9 | 3.2 |
| ENE | .2 | .5 | | .4 | | | | | | | | 1.5 | 7.2 |
| E | .2 | 2.3 | .5 | 1.2 | .4 | .4 | | | | | | 6.9 | 7.2 |
| ESE | 1.2 | 1.5 | .5 | 2.3 | .4 | | | | | | | 6.5 | 8.4 |
| SE | .5 | 2.7 | 2.3 | .5 | .4 | | | | | | | 6.9 | 7.1 |
| SSE | | .5 | 1.2 | | | | | | | | | 1.9 | 7.2 |
| S | 1.5 | 3.1 | .5 | .5 | | | | | | | | 6.2 | 5.2 |
| SSW | 1.5 | 3.1 | 2.7 | .5 | | | | | | | | 6.1 | 6.2 |
| SW | .1 | 5.2 | 1.2 | 1.5 | | | | | | | | 11.2 | 5.2 |
| WSW | .1 | 1.5 | 4.7 | 2.3 | | | | | | | | 11.2 | 7.2 |
| W | .1 | 4.7 | 2.7 | 2.7 | .4 | | | | | | | 13.5 | 7.2 |
| WNW | 1.2 | 1.2 | 1.2 | 1.2 | | | | | | | | 6.2 | 6.2 |
| NW | .5 | 1.2 | .4 | | | | | | | | | 1.9 | 5.2 |
| NNW | 1.2 | 1.5 | | | | | | | | | | 3.5 | 3.2 |
| YARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.3 | |
| | 24.2 | 32.3 | 19.6 | 14.2 | 1.9 | .4 | | | | | | 170.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 26

8806

2

NASA WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION NAME: ASHEVILLE, JAPAN YEARS: 73-74 MONTH: MAY

CLASS: ALL WEATHER

CONDITION:

HOURLY (L.S.T.)

| SPEED (KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.0 | 1.0 | 1.0 | | | | | | | | | 5.0 | 4.0 |
| NNE | .4 | 1.0 | | | | | | | | | | 1.8 | 4.0 |
| NNE | 1.0 | .4 | | | | | | | | | | 2.3 | 2.0 |
| NNE | .4 | | .4 | | | .4 | | | | | | 2.3 | 4.0 |
| E | 1.0 | .4 | .4 | | .4 | .4 | | | | | | 3.5 | 7.0 |
| ESE | .4 | 3.1 | 1.0 | 1.0 | | | | | | | | 6.2 | 7.0 |
| SE | 1.0 | .4 | 1.0 | .8 | .4 | | | | | | | 4.0 | 8.0 |
| SSE | .4 | 1.0 | .4 | .4 | | | | | | | | 3.1 | 6.0 |
| S | 3.1 | 1.0 | .4 | .8 | | | | | | | | 6.5 | 5.0 |
| SSW | 1.0 | 3.8 | 5.0 | 1.5 | | | | | | | | 11.9 | 6.0 |
| SW | 3.5 | 3.0 | 7.1 | 1.2 | | | | | | | | 10.4 | 6.0 |
| WSW | 3.7 | 1.2 | 2.7 | .8 | .4 | | | | | | | 7.7 | 7.0 |
| W | 4.0 | 3.5 | 3.5 | 1.0 | .4 | .4 | | | | | | 14.2 | 6.0 |
| WNW | .4 | 1.0 | 1.0 | 1.2 | | | | | | | | 5.0 | 7.0 |
| NW | 1.0 | .4 | .4 | .8 | | | | | | | | 3.0 | 6.0 |
| NNW | .4 | 1.0 | .4 | .4 | | | | | | | | 3.5 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.8 | |
| | 24.4 | 28.8 | 23.0 | 11.2 | 1.5 | 1.2 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 26

8805

2

NAVAL WEATHER SERVICE
DETACHMENT
ATRIUM

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 105 STATION NAME ILO-ILO, JAPAN YEARS 73-72 MONTH MAY
CLASS ALL WEATHER CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.1 | .4 | .0 | | | | | | | | | 4.7 | 3.1 |
| NNE | | .0 | .0 | | | .4 | | | | | | 1.9 | 10.2 |
| NE | | 1.1 | | | | | | | | | | 1.1 | 5.0 |
| ENE | .0 | .0 | .4 | | | | | | | | | 1.0 | 5.3 |
| E | 1.0 | 1.1 | 1.5 | .4 | .0 | .4 | | | | | | 5.7 | 8.6 |
| ESE | 1.1 | 2.3 | 1.0 | 1.1 | | | | | | | | 6.1 | 7.1 |
| SE | .0 | 1.0 | 1.5 | 1.0 | | | | | | | | 5.4 | 6.6 |
| SSE | 1.0 | | .0 | | | | | | | | | 2.3 | 3.9 |
| S | 1.0 | 7.1 | 3.4 | .0 | | | | | | | | 8.5 | 6.4 |
| SSW | .0 | 4.7 | 7.4 | .4 | .4 | | | | | | | 9.2 | 7.0 |
| SW | 1.0 | 4.0 | 3.0 | 2.7 | .4 | | | | | | | 12.4 | 7.7 |
| WSW | 1.0 | | 1.0 | 1.1 | | | | | | | | 4.6 | 7.4 |
| W | .4 | 2.2 | 1.0 | 2.3 | 1.1 | .4 | | | | | | 11.1 | 8.5 |
| WNW | .0 | 1.0 | 2.3 | 1.5 | | .4 | | | | | | 6.5 | 9.1 |
| NW | 1.0 | 1.1 | .4 | .4 | | | | | | | | 3.4 | 5.7 |
| NNW | .0 | 1.0 | 1.5 | .4 | | | | | | | | 4.2 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.1 | |
| | 10.4 | 20.1 | 25.7 | 13.0 | 2.7 | 1.5 | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 261

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME

STATION NAME

73-82

YEARS

MAY

MONTH

ALL-WEATHER

CLASS

39

HOURS IN MONTH

CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | 1.2 | 1.6 | 1.2 | | | .4 | | | | | 5.5 | 9.1 |
| NNE | | .4 | | | | | | | | | | .4 | 4.0 |
| NE | | 1.2 | 1.2 | .4 | | | | | | | | 2.8 | 7.4 |
| ENE | .4 | 1.2 | .8 | .4 | .4 | | | | | | | 3.6 | 7.2 |
| E | .4 | 4.0 | 1.2 | .8 | 1.2 | .4 | | | | | | 8.5 | 9.9 |
| ESE | .4 | 2.0 | 6.0 | 2.8 | 1.2 | | | | | | | 12.5 | 9.7 |
| SE | .4 | 1.2 | 2.0 | .8 | | | | | | | | 4.4 | 8.1 |
| SSE | | 1.6 | 1.2 | .4 | | | | | | | | 3.2 | 7.1 |
| S | .4 | 1.2 | 1.6 | .4 | | | | | | | | 4.0 | 6.4 |
| SSW | | 1.6 | 2.0 | 2.4 | | | | | | | | 6.0 | 9.6 |
| SW | .4 | 1.6 | 2.0 | 2.0 | | | | | | | | 6.5 | 8.4 |
| WSW | .4 | 2.4 | .8 | 4.0 | 4.0 | | | | | | | 11.7 | 12.8 |
| W | | 1.2 | 1.2 | 2.4 | 2.4 | .4 | | | | | | 7.7 | 14.1 |
| WNW | .4 | .8 | 1.2 | 3.2 | 2.8 | .4 | | | | | | 9.3 | 13.3 |
| NW | .4 | .8 | 4.0 | 2.8 | | | | | | | | 8.1 | 10.0 |
| NNW | .4 | .8 | 2.4 | | | | | | | | | 3.6 | 7.0 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 1.6 | 25.4 | 29.4 | 24.2 | 12.1 | 1.6 | .4 | | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS

248

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 45 STATION NAME A, JAPAN YEARS 72-73
CLASS ALL WEATHER
CORRECTION

MAY
MONTH
10
HOURS 11 BY

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .5 | 2.5 | | | .4 | | | | | 6.0 | 12.5 |
| NNE | | .5 | .5 | .4 | | | | | | | | 1.1 | 7.7 |
| NE | .5 | 1.5 | 2.5 | .7 | | | | | | | | 5.2 | 7.3 |
| ENE | .5 | .7 | .7 | | | | | | | | | 3.0 | 6.8 |
| E | .5 | 3.5 | 11.5 | 4.2 | 1.1 | .4 | | | | | | 21.1 | 9.5 |
| ESE | | 1.5 | 5.6 | 5.7 | 2.1 | .7 | | | | | | 16.5 | 12.1 |
| SE | | | 1.5 | 2.5 | .4 | | | | | | | 4.9 | 10.8 |
| SSE | | | 1.1 | | | | | | | | | 1.1 | 8.7 |
| S | | | 1.1 | .7 | .4 | | | | | | | 2.1 | 11.3 |
| SSW | | .5 | 1.4 | .7 | | | | | | | | 2.6 | 8.9 |
| SW | | .5 | .5 | 1.4 | .7 | | | | | | | 2.6 | 13.3 |
| WSW | | .5 | 1.1 | 2.1 | 2.5 | | | | | | | 6.0 | 15.1 |
| W | | | .5 | 2.5 | 1.1 | 1.1 | | | | | | 4.9 | 16.9 |
| WNW | | 1.1 | 1.4 | 4.5 | 5.6 | .7 | | | | | | 13.7 | 15.2 |
| NW | .5 | .7 | .7 | 3.5 | .7 | | | | | | | 6.0 | 12.1 |
| NNW | | .4 | 1.1 | 1.1 | | | | | | | | 2.5 | 10.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .5 | |
| | 1.4 | 10.6 | 36.1 | 34.0 | 14.4 | 2.5 | .4 | | | | | 100.0 | 11.7 |

TOTAL NUMBER OF OBSERVATIONS 265

BMOS

E
2

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC DATE: 13-87 MONTH: MAY
STATION: ASHEVILLE, NC CLASS: ALL WEATHER HOURS (LST): 15
CONDITION: _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .3 | | 2.7 | | | .3 | | | | | 3.6 | 13.0 |
| NNE | | .7 | 1.0 | | | | | | | | | 1.7 | 7.2 |
| NE | | 1.1 | .7 | | | | | | | | | 2.1 | 6.2 |
| NNE | | 2.1 | 3.0 | | .7 | | | | | | | 6.2 | 7.9 |
| E | | 3.4 | 6.0 | 4.1 | 1.0 | | | | | | | 18.5 | 9.6 |
| ESE | .7 | 3.1 | 6.0 | 4.5 | 2.1 | .7 | | | | | | 17.5 | 10.4 |
| SE | | .7 | 3.0 | 4.5 | 1.4 | | | | | | | 9.9 | 12.0 |
| SSE | | | .7 | .7 | | | | | | | | 1.4 | 9.5 |
| S | | .7 | .7 | .7 | | | | | | | | 1.4 | 9.5 |
| SSW | | .7 | .7 | .7 | | | | | | | | 4.5 | 13.2 |
| SW | | .7 | 1.0 | 2.1 | 1.0 | | | | | | | 6.8 | 15.6 |
| WSW | | | 1.0 | 2.7 | 3.1 | | | | | | | 6.8 | 14.7 |
| W | | .7 | .7 | 3.4 | 2.1 | .3 | | | | | | 11.3 | 15.6 |
| WNW | | | .7 | 6.2 | 4.5 | .3 | | | | | | 5.0 | 13.6 |
| NW | | .7 | .7 | 4.1 | .7 | | | | | | | 2.4 | 10.7 |
| NNW | | | 1.0 | 1.4 | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | .7 | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 13.0 | 31.5 | 37.0 | 16.1 | 1.0 | .3 | | | | | 100.0 | 11.6 |

TOTAL NUMBER OF OBSERVATIONS 292

2805

2

NAVAL WEATHER SERVICE
DETACHMENT
AGRICULTURAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 0. 1. 05 14 CLASS: ALL WEATHER CONDITION: MAY 19 10 HOURS (LST)

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 0.0 | 1.0 | | | | | | | | | 3.0 | 5.5 |
| NNE | 0.0 | 2.1 | 1.0 | | | | | | | | | 4.1 | 4.9 |
| NE | 0.0 | 2.1 | 0.0 | 0.0 | | | | | | | | 4.1 | 6.3 |
| ENE | 0.0 | 1.0 | 1.0 | 0.3 | | | | | | | | 3.0 | 6.3 |
| E | 0.0 | 0.0 | 4.5 | 2.1 | | | | | | | | 13.1 | 7.4 |
| ESE | 0.0 | 5.0 | 5.0 | 3.4 | 1.0 | 0.0 | | | | | | 16.5 | 8.8 |
| SE | 0.0 | 2.0 | 3.1 | 2.4 | 0.3 | | | | | | | 8.9 | 9.8 |
| SSE | 0.0 | 1.0 | 1.0 | | | | | | | | | 3.4 | 5.7 |
| S | | | 1.0 | 0.3 | | | | | | | | 1.7 | 9.2 |
| SSW | | | 0.0 | 0.0 | | | | | | | | 1.0 | 11.3 |
| SW | 0.0 | | 1.0 | 1.4 | 0.7 | | | | | | | 3.0 | 11.3 |
| WSW | | | 1.0 | 2.7 | 0.7 | | | | | | | 4.0 | 12.9 |
| W | 1.0 | 0.0 | 3.1 | 5.5 | 0.7 | | | | | | | 10.3 | 10.0 |
| WNW | | 0.0 | 1.0 | 5.2 | 0.7 | | | | | | | 8.0 | 11.6 |
| NW | | 0.0 | 1.0 | 4.5 | | | | | | | | 6.0 | 10.6 |
| NNW | 1.0 | 0.0 | 1.0 | 1.7 | | | | | | | | 5.0 | 8.2 |
| VARBL | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | | |
| | 10.0 | 24.0 | 28.5 | 30.0 | 4.1 | 0.0 | | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS 221

SMOS

2

NAVAL WEATHER SERVICE
ATTACHMENT
WHEATFIELD

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 17-22 YEARS: MAY MONTH: 21 HOURS: 11.57
CLASS: ALL WEATHER CONDITION:

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | . | . | . | . | . | . | . | . | . | . | . | 1.1 | 4.3 |
| NNE | . | . | . | . | . | . | . | . | . | . | . | . | 3.5 |
| NE | 1.1 | 1.1 | . | . | . | . | . | . | . | . | . | 5.1 | 4.5 |
| NNE | 1.1 | . | . | .4 | . | . | . | . | . | . | . | 2.7 | 6.0 |
| E | 1.1 | 1.1 | 1.1 | 1.1 | . | . | . | . | . | . | . | 6.5 | 7.6 |
| ESE | . | 1.1 | 1.1 | . | 1.1 | . | . | . | . | . | . | 8.8 | 7.7 |
| SE | . | . | 2.7 | .4 | . | .4 | . | . | . | . | . | 6.7 | 8.4 |
| SSE | . | 2.7 | 1.1 | . | . | . | . | . | . | . | . | 5.2 | 5.2 |
| S | 1.1 | 1.1 | . | . | . | . | . | . | . | . | . | 3.1 | 3.6 |
| SSW | 1.1 | 3.1 | 1.1 | . | .4 | . | . | . | . | . | . | 6.5 | 6.2 |
| SW | . | 1.1 | 2.7 | 1.1 | .4 | . | . | . | . | . | . | 6.5 | 8.6 |
| WSW | . | 2.3 | 3.1 | 1.1 | . | . | . | . | . | . | . | 8.7 | 8.1 |
| W | . | 4.1 | 4.1 | 2.3 | . | . | . | . | . | . | . | 13.4 | 7.0 |
| WNW | . | 2.7 | 2.3 | 1.1 | . | . | . | . | . | . | . | 6.9 | 7.7 |
| NW | . | 3.1 | 1.1 | . | . | . | . | . | . | . | . | 5.3 | 7.0 |
| NNW | 1.1 | . | . | . | . | . | . | . | . | . | . | 3.1 | 4.9 |
| VARBL | | | | | | | | | | | | 12.6 | |
| CALM | | | | | | | | | | | | | |
| | 1.6 | 32.1 | 24.4 | 12.2 | 2.7 | .4 | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 252

SMOS

2

NAVY WEATHER SERVICE
DETACHMENT
ATMOSPHERIC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 1000 A, JAPAN STATION NAME: 1000 A YEARS: 1954 MONTH: ALL
CLASS: ALL HOURS: 15.5
CONDITION:

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | . | 1.1 | . | . | . | .1 | | | | | 4.1 | 7.9 |
| NNE | .4 | . | .4 | . | . | . | | | | | | 1.5 | 5.7 |
| NE | . | 1.0 | .4 | .2 | . | . | | | | | | 2.5 | 5.7 |
| ENE | . | 1.1 | 1.7 | .2 | .1 | . | | | | | | 3.2 | 7.1 |
| E | 1.0 | .5 | 4.5 | 1.6 | .6 | .7 | | | | | | 10.7 | 8.8 |
| ESE | . | 2.0 | 7.7 | 2.6 | 1.1 | .7 | | | | | | 11.5 | 9.6 |
| SE | . | 1.0 | 2.4 | 1.6 | .4 | . | | | | | | 6.5 | 9.3 |
| SSE | . | 1.0 | . | .1 | . | . | | | | | | 2.5 | 6.0 |
| S | . | 1.0 | 1.7 | .7 | . | . | | | | | | 4.1 | 6.3 |
| SSW | . | 2.0 | 2.1 | .2 | .1 | . | | | | | | 5.7 | 7.4 |
| SW | 1.1 | 2.0 | 1.0 | 1.7 | .4 | . | | | | | | 7.1 | 8.3 |
| WSW | 1.0 | . | 2.1 | 2.7 | 1.3 | . | | | | | | 7.5 | 10.6 |
| W | 1.0 | 2.1 | 2.0 | 2.6 | 1.1 | .7 | | | | | | 10.2 | 6.7 |
| WNW | . | 1.2 | 1.7 | 3.2 | 1.9 | .2 | | | | | | 6.5 | 12.0 |
| NW | . | 1.0 | 1.1 | 2.2 | .2 | . | | | | | | 5.7 | 9.7 |
| NNW | . | .7 | 1.0 | .7 | . | . | | | | | | 3.5 | 6.8 |
| VARIABLE | | | | | | | | | | | | 5.1 | |
| CALM | | | | | | | | | | | | 5.1 | |
| | 17.0 | 27.9 | 27.6 | 22.6 | 7.1 | 1.7 | .1 | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 2159

SMOS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

A. J. J. J.

STATION NAME

13-11

YEARS

J. J.

MONTH

ALL

CLASS

NO

HOURE (L. S. T)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | . | 1.2 | . | . | . | . | . | . | . | . | . | 3.0 | 4.3 |
| NNE | . | 2.0 | . | . | . | . | . | . | . | . | . | 2.7 | 3.7 |
| NE | . | 1.0 | . | . | . | . | . | . | . | . | . | 1.0 | 4.5 |
| ENE | . | . | . | . | . | . | . | . | . | . | . | 1.2 | 2.0 |
| E | 3.0 | 2.0 | 7.1 | 1.0 | 4.0 | . | . | . | . | . | . | 6.2 | 7.1 |
| ESE | 2.0 | 3.0 | 2.7 | 1.0 | . | . | . | . | . | . | . | 14.1 | 6.6 |
| SE | 2.0 | 4.7 | 2.0 | . | . | . | . | . | . | . | . | 11.0 | 5.6 |
| SSE | 1.0 | 1.2 | 3.0 | . | . | . | . | . | . | . | . | 3.0 | 4.4 |
| S | 1.0 | 2.7 | 1.2 | . | . | . | . | . | . | . | . | 5.0 | 5.1 |
| SSW | 1.2 | 2.0 | 1.2 | . | . | . | . | . | . | . | . | 4.3 | 5.3 |
| SW | 1.0 | 2.7 | 1.0 | . | . | . | . | . | . | . | . | 7.1 | 4.4 |
| WSW | . | 1.2 | . | . | . | . | . | . | . | . | . | 3.0 | 7.1 |
| W | . | 2.0 | 1.0 | 1.0 | . | . | . | . | . | . | . | 7.0 | 4.7 |
| WNW | . | . | 1.0 | 1.2 | . | . | . | . | . | . | . | 6.1 | 6.0 |
| NW | . | . | 1.0 | 1.4 | . | . | . | . | . | . | . | 2.4 | 6.3 |
| NNW | . | 1.0 | . | . | . | . | . | . | . | . | . | 2.0 | 3.7 |
| VARBL | . | . | . | . | . | . | . | . | . | . | . | 17.1 | . |
| CALM | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | . | . | 21.0 | 5.7 | 4.0 | . | . | . | . | . | . | 10.0 | . |

TOTAL NUMBER OF OBSERVATIONS

SMOS

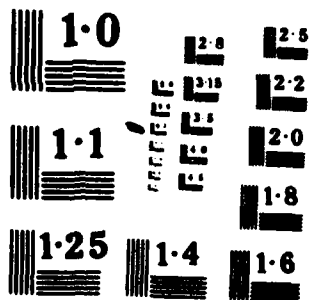
UNCLASSIFIED

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
FOR MISAWA JAPAN(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC MAR 85

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2

NAVAL WEATHER SERVICE
DETACHMENT
ASHIKAGE, JAPAN

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHIKAGE, JAPAN YEARS: 77-82 MONTH: JUNE
CLASS: ALL WEATHER HOURS: 03
CONDITION:

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 2.4 | . | | | | | | | | | | 3.2 | 2.5 |
| NNE | 1.2 | 1.2 | | | | | | | | | | 2.4 | 3.7 |
| NE | 1.2 | 2. | | | | | | | | | | 3.2 | 3.9 |
| NNE | 2. | .4 | .4 | | | | | | | | | 4.0 | 3.3 |
| E | . | 4. | 2. | 1.2 | .4 | | | | | | | 10.4 | 6.9 |
| ESE | 3. | 5.6 | 4. | 1.2 | .4 | | | | | | | 15.5 | 6.3 |
| SE | 2. | 5.6 | 2.8 | .4 | | | | | | | | 11.2 | 5.6 |
| SSE | .2 | 1.2 | .4 | | | | | | | | | 3.2 | 4.3 |
| S | . | .4 | 1.6 | .4 | | | | | | | | 3.2 | 6.8 |
| SSW | 1. | .4 | 1.2 | | | | | | | | | 3.6 | 4.6 |
| SW | 1.2 | 1.2 | .4 | | | | | | | | | 3.2 | 4.6 |
| WSW | 1.2 | 2. | .4 | .4 | .4 | | | | | | | 5.6 | 6.6 |
| W | 1. | 2. | .4 | | | | | | | | | 8.8 | 3.2 |
| WNW | 1. | 2. | .4 | .4 | | | | | | | | 4.8 | 5.3 |
| NW | 2. | 1.6 | .4 | | | | | | | | | 4.4 | 3.7 |
| NNW | . | .4 | | | | | | | | | | 1.6 | 3.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.0 | |
| | 11.2 | 33.1 | 17.5 | 4.4 | 1.2 | | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 251

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 04 S STATION NAME MISSA, JAPAN YEARS 13-82 MONTH JUNE DAY 06 HOUR 11 15
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.2 | | | | | | | | | | 2.7 | 3.1 |
| NNE | 1.0 | 1.2 | 1.2 | | | | | | | | | 4.2 | 4.4 |
| NE | .4 | 1.5 | 1.2 | | | | | | | | | 3.1 | 5.5 |
| ENE | 1.0 | 1.5 | .4 | | | | | | | | | 3.3 | 3.5 |
| E | .3 | 2.7 | 1.9 | 1.0 | | | | | | | | 8.9 | 6.8 |
| ESE | 3.0 | 6.0 | 2.3 | 3.1 | .4 | | | | | | | 16.6 | 6.4 |
| SE | 1.2 | 3.0 | 5.0 | 1.5 | | | | | | | | 11.6 | 7.3 |
| SSE | .3 | 1.5 | | | | | | | | | | 3.0 | 3.1 |
| S | .2 | 1.5 | .7 | | | | | | | | | 3.5 | 4.7 |
| SSW | 1.0 | 1.5 | 1.2 | | | | | | | | | 4.2 | 5.0 |
| SW | 1.0 | 1.0 | 1.0 | .4 | | | | | | | | 5.4 | 5.4 |
| WSW | .3 | 1.2 | 1.0 | .8 | .8 | | | | | | | 6.6 | 7.8 |
| W | .3 | 1.0 | | .4 | | | | | | | | 5.0 | 5.0 |
| WWW | .0 | .0 | 2.3 | .8 | | | | | | | | 4.6 | 7.6 |
| NW | .3 | 1.5 | | | | | | | | | | 3.7 | 3.5 |
| NNW | .4 | .0 | .0 | | | | | | | | | 1.0 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.4 | |
| | 27.8 | 31.7 | 19.7 | 9.3 | 1.2 | | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 259

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHIKAGI, JAPAN

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: ASHIKAGI, JAPAN YEARS: 73-74 MONTH: JUN
STATION NAME: CLASS: HOURS: 1157
CONDITION: NORTH

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.0 | 1.7 | .4 | | | | | | | | 4.6 | 6.9 |
| NNE | .1 | 1.7 | .4 | | | | | | | | | 2.5 | 4.5 |
| NE | .1 | 2.0 | 1.3 | | | | | | | | | 5.5 | 5.6 |
| ENE | .1 | 4.2 | 1.3 | .2 | .4 | | | | | | | 7.2 | 6.9 |
| E | .1 | .1 | 4.4 | 2.1 | .2 | | | | | | | 18.5 | 7.0 |
| ESE | | 2.0 | 1.0 | 5.5 | | | | | | | | 21.5 | 8.7 |
| SE | | 2.1 | 2.0 | 2.1 | | | | | | | | 9.7 | 8.7 |
| SSE | | .1 | | | | | | | | | | .3 | 4.0 |
| S | | .1 | | .4 | | | | | | | | .5 | 7.5 |
| SSW | | | 1.0 | | | | | | | | | 1.7 | 8.0 |
| SW | 1.0 | 1.7 | 1.7 | 2.1 | 1.3 | | | | | | | 7.6 | 9.9 |
| WSW | .1 | .1 | .4 | 1.7 | .6 | | | | | | | 4.2 | 11.5 |
| W | .1 | 1.2 | .4 | .4 | | | | | | | | 2.5 | 6.5 |
| WNW | | 1.0 | .4 | 2.5 | .4 | | | | | | | 4.6 | 11.1 |
| NW | | 1.7 | 1.3 | .4 | .4 | | | | | | | 3.3 | 8.4 |
| NNW | .1 | 1.0 | | | .4 | | | | | | | 3.0 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 7.2 | 37.1 | 31.2 | 10.6 | 4.6 | | | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 237

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHELEY, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHELEY, JAPAN 73-42 YEARS: JUN
ALL WEATHER
CLASS: 12
CONDITION: HOURS (LST):

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | | .0 | .4 | | | | | | | | 1.0 | 6.2 |
| NNE | | .0 | .0 | .4 | | | | | | | | 1.5 | 6.3 |
| NE | | 1.0 | 2.0 | .4 | | | | | | | | 4.0 | 7.3 |
| ENE | .0 | 2.0 | 4.0 | 1.5 | | .4 | | | | | | 11.0 | 7.9 |
| E | .0 | 2.0 | 1.0 | 4.4 | .4 | | | | | | | 10.5 | 8.2 |
| ESE | .0 | 2.0 | 1.0 | 8.5 | 1.1 | | | | | | | 21.7 | 10.4 |
| SE | | .0 | 2.0 | 3.7 | .7 | | | | | | | 10.7 | 9.8 |
| SSE | | | .0 | .4 | | | | | | | | .7 | 11.0 |
| S | | .0 | | .7 | | | | | | | | 1.1 | 9.3 |
| SSW | | | .0 | | | | | | | | | .4 | 8.0 |
| SW | .0 | .7 | | 1.5 | .4 | | | | | | | 2.0 | 10.1 |
| WSW | | | .1 | 3.3 | 1.1 | .4 | | | | | | 5.5 | 14.8 |
| W | .0 | | | 1.1 | 1.1 | | | | | | | 2.5 | 14.9 |
| WNW | | | .0 | 1.0 | .4 | | | | | | | 2.5 | 12.9 |
| NW | | | .0 | .4 | .4 | | | | | | | 1.5 | 13.3 |
| NNW | | .0 | .4 | | | | | | | | | .7 | 6.0 |
| VARB | | | | | | | | | | | | .4 | |
| CALM | | | | | | | | | | | | | |
| | 7.7 | 10.5 | 42.3 | 24.3 | 5.5 | .7 | | | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 272

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 73-92 MONTH: JUN
 CLASS: ALL WEATHER HOURS: 15
 CONDITION: _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .7 | 1.4 | .7 | | | | | | | | 2.8 | 8.6 |
| NNE | | | 1.1 | .4 | .4 | | | | | | | 2.1 | 10.0 |
| NE | | 1.1 | 1.1 | | | | | | | | | 2.2 | 6.3 |
| ENE | | 1.4 | 7.7 | .4 | | | | | | | | 5.7 | 7.4 |
| E | 1.1 | 5.7 | 19.2 | 4.3 | .4 | | | | | | | 30.6 | 8.2 |
| ESE | 1.1 | 3.7 | 13.2 | 12.1 | | .4 | | | | | | 30.6 | 9.9 |
| SE | | .7 | 7.2 | 5.7 | .4 | | | | | | | 8.9 | 11.6 |
| SSE | | | | | | | | | | | | .4 | 6.0 |
| S | .7 | .4 | | .4 | | | | | | | | 1.1 | 5.7 |
| SSW | | | .7 | | | | | | | | | .4 | 9.0 |
| SW | | | .4 | .4 | .4 | | | | | | | 1.1 | 12.7 |
| WSW | | .4 | .4 | 7.2 | .4 | .4 | | | | | | 4.6 | 14.2 |
| W | | .7 | .7 | 1.1 | 1.1 | | | | | | | 3.6 | 11.9 |
| WNW | | | .7 | 2.1 | | .4 | | | | | | 2.8 | 14.8 |
| NW | | .7 | | .7 | | | | | | | | 1.4 | 13.0 |
| NNW | | .7 | .4 | .7 | | | | | | | | 1.4 | 10.0 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 1.1 | 16.4 | 44.0 | 31.3 | 2.8 | 1.1 | | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS 291

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC STATION NUMBER 07000 YEARS 1951-1952 MONTH JUN
 CLASS ALL WEATHER HOURS 15
 CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .1 | 1.0 | .4 | .4 | | | | | | | | 2.5 | 5.9 |
| NNE | .1 | 1.1 | .6 | | | | | | | | | 1.8 | 5.6 |
| NE | 1.0 | 1.5 | | .6 | | | | | | | | 3.3 | 5.3 |
| ENE | 1.1 | 2.0 | 1.0 | | | | | | | | | 5.5 | 5.4 |
| E | 4.4 | 10.3 | 10.3 | 2.2 | | | | | | | | 26.7 | 6.4 |
| ESE | 1.1 | .9 | 11.0 | 5.5 | | | | | | | | 26.4 | 8.0 |
| SE | .1 | 4.4 | 4.0 | 3.7 | | | | | | | | 12.5 | 5.4 |
| SSE | .1 | 1.5 | .4 | | | | | | | | | 2.2 | 4.7 |
| S | | | .4 | | | | | | | | | .4 | 7.0 |
| SSW | | | .1 | | | | | | | | | .4 | 7.0 |
| SW | .4 | | 1.1 | .7 | .7 | | | | | | | 2.9 | 11.4 |
| WSW | | .4 | .4 | 1.5 | | .4 | | | | | | 2.9 | 13.6 |
| W | | | .1 | 1.1 | | | | | | | | 1.5 | 12.0 |
| WNW | | .7 | 1.0 | 1.5 | | | | | | | | 4.0 | 9.5 |
| NW | | .7 | 1.1 | .4 | | | | | | | | 2.2 | 8.7 |
| NNW | .1 | .4 | 1.5 | .4 | | | | | | | | 2.5 | 3.7 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.2 | |
| | 10.0 | 33.7 | 34.5 | 17.7 | .7 | .4 | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS

273

SMOS



2

NAVY WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: T. A. J. A. YEARS: 73-77

CLASS: ALL WEATHER

CONDITION:

STATION: NORTH

21

HOURLY OBS.

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.0 | 1.1 | 0.0 | | | | | | | | | 4.5 | 3.8 |
| NNE | 0.0 | 1.1 | | | | | | | | | | 1.3 | 3.8 |
| NE | 0.0 | 1.1 | | | | | | | | | | 3.0 | 3.0 |
| ENE | 1.1 | 1.1 | | | | | | | | | | 3.1 | 2.9 |
| E | 0.0 | 2.2 | 4.2 | 1.1 | | | | | | | | 12.5 | 6.0 |
| ESE | 4.2 | 6.3 | 3.2 | 4.2 | | | | | | | | 19.1 | 6.6 |
| SE | 0.3 | 0.1 | 4.2 | 2.7 | | | | | | | | 15.6 | 6.8 |
| SSE | 1.1 | 2.3 | 0.0 | 0.4 | | | | | | | | 5.0 | 4.8 |
| S | 1.1 | 2.3 | 0.0 | | | | | | | | | 5.0 | 4.2 |
| SSW | | 0.0 | 0.4 | | | | | | | | | 0.7 | 4.5 |
| SW | 0.0 | 0.0 | 1.1 | 0.4 | | | | | | | | 2.1 | 7.4 |
| WSW | 0.0 | 1.1 | 0.0 | 1.1 | 0.4 | | | | | | | 3.3 | 5.5 |
| W | 1.1 | 0.0 | 0.0 | 0.4 | | | | | | | | 3.4 | 7.1 |
| WNW | | 0.0 | 1.1 | 0.8 | | | | | | | | 3.1 | 3.5 |
| NW | 1.1 | 1.1 | 0.0 | 0.4 | | | | | | | | 3.3 | 5.5 |
| NNW | 1.1 | 0.4 | | | | | | | | | | 1.9 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 7.1 | 30.0 | 20.2 | 12.2 | 0.4 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 262

SMOS

NAVAL WEATHER SERVICE
 WASHINGTON, D.C.
 FORM NO. 1-61

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4. 31-4 STATION NAME 12-2 YEARS 1 MONTH JULY
 CLASS ALL WEATHER ALL HOURS ALL
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | 1.1 | .7 | .7 | | | | | | | | 3.3 | 5.1 |
| NNE | .5 | 1.1 | .4 | .1 | . | | | | | | | 2.4 | 5.3 |
| NE | . | 1.7 | .7 | .1 | | | | | | | | 2.3 | 5.3 |
| NNE | 1.2 | 2. | 1.7 | .3 | . | . | | | | | | 5.1 | 5.9 |
| E | . | 5.3 | 5.3 | 2.6 | .3 | | | | | | | 18.8 | 7.7 |
| ESE | .7 | 5.4 | 7.8 | 5.3 | .7 | . | | | | | | 20.6 | 8.2 |
| SE | 1.2 | 3.7 | 7.7 | 2.5 | .1 | | | | | | | 11.4 | 7.8 |
| SSE | . | 1.1 | .6 | .1 | | | | | | | | 2.7 | 4.5 |
| S | . | 1.1 | .7 | .2 | | | | | | | | 2.6 | 5.5 |
| SSW | . | . | . | | | | | | | | | 1.9 | 5.6 |
| SW | . | 1.1 | 1.1 | .7 | .3 | | | | | | | 4.1 | 7.5 |
| WSW | . | 1. | . | 1.7 | .5 | .1 | | | | | | 4.7 | 10.5 |
| W | 1.7 | 1.1 | .5 | .7 | .7 | | | | | | | 4.4 | 6.5 |
| WNW | . | .7 | 1.7 | 1.4 | .1 | . | | | | | | 3.6 | 7.0 |
| NW | . | 1. | . | .3 | .1 | | | | | | | 2.5 | 6.5 |
| NNW | . | .7 | .7 | .1 | . | | | | | | | 1. | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.1 | |
| | 17.2 | 28.7 | 27.3 | 15.4 | 2.1 | .3 | | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 1000

8805

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHTABUL STATION NAME ASHTABUL YEARS 1950-51 MONTH JUL
 CLASS ALL WEATHER COORDINATE CC
 COORDINATE HOURE 11 5 T

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | .0 | .4 | .4 | | | | | | | | | 2.2 | 3.3 |
| NNE | .1 | 1.1 | | | | | | | | | | 2.2 | 3.0 |
| NE | .0 | .7 | | | | | | | | | | 1.0 | 3.3 |
| ENE | 1.1 | 1.0 | .4 | | | | | | | | | 3.4 | 4.6 |
| E | .0 | 4.4 | .7 | 1.1 | | | | | | | | 17.1 | 4.3 |
| ESE | .0 | 4.0 | 4.0 | 2.0 | | | | | | | | 12.0 | 6.9 |
| SE | .0 | 4.4 | 2.2 | .7 | | | | | | | | 10.2 | 5.4 |
| SSE | .0 | 2.0 | .7 | | | | | | | | | 5.5 | 3.8 |
| S | .0 | 2.0 | .4 | | | | | | | | | 5.3 | 3.9 |
| SSW | 1.1 | 2.0 | .4 | | | | | | | | | 4.4 | 4.6 |
| SW | .0 | 2.0 | 1.0 | | | | | | | | | 5.5 | 5.4 |
| WSW | .7 | 1.0 | | 2.0 | | | | | | | | 7.7 | 5.8 |
| W | .0 | 1.1 | .7 | .4 | .4 | | | | | | | 5.2 | 4.3 |
| WNW | 1.0 | | | | | | | | | | | 1.0 | 1.5 |
| NW | | .0 | | | | | | | | | | .0 | 4.0 |
| NNW | | | | | | | | | | | | | |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 3.0 | 2.4 | 11.7 | 7.6 | .4 | | | | | | | 10.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 274

SMOS

1
2

NAVY WEATHER SERVICE
PACIFIC PACIFIC
HONOLULU

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

DATE

MOON

ALL WEATHER
CLASS

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 3.2 |
| NNE | 1.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 3.2 |
| NE | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 3.7 |
| ENE | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 7.7 |
| E | 0.0 | 3.0 | 1.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 5.6 |
| ESE | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.7 | 5.3 |
| SE | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 6.0 |
| SSE | 0.7 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 2.5 |
| S | 0.0 | 0.3 | 1.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 5.1 |
| SSW | 1.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 4.0 |
| SW | 1.1 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 5.6 |
| WSW | 0.4 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 4.5 |
| W | 4.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 3.4 |
| WNW | 0.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 4.2 |
| NW | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.7 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 37.0 | 57.2 | 12.7 | 0.1 | | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS

201

SMOS

10
2

NAVAL WEATHER SERVICE
U.S. NAVY
WIND RECORD

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: STATION NAME YEARS: 1951-1952
 ALL WEATHER CLASS: 1A
 MONTH: JUL
 HOURS: 0000-2359
 CONDITION:

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | . | 1.1 | | | | | | | | | | 3.3 | 3.6 |
| NNE | . | | | | | | | | | | | 2.7 | 2.5 |
| NE | . | 4 | | | | | | | | | | 2.5 | 2.5 |
| ENE | . | 7 | | | | | | | | | | 3.9 | 3.9 |
| E | . | 2.1 | 1.1 | | | | | | | | | 10.0 | 5.6 |
| ESE | . | 7 | 1.7 | 2.6 | | | | | | | | 15.3 | 7.2 |
| SE | . | 7 | 1.1 | 1.5 | | | | | | | | 5.7 | 6.8 |
| SSE | . | 7 | | | | | | | | | | 4.7 | 3.6 |
| S | . | 1 | 2 | | | | | | | | | 6.3 | 4.6 |
| SSW | . | 1 | 1 | | | | | | | | | 5.2 | 5.1 |
| SW | . | 4.1 | 1.1 | | | | | | | | | 2 | 4.3 |
| WSW | . | 7 | 1 | | | | | | | | | 5 | 5.0 |
| W | . | 1.1 | | | | | | | | | | 8.1 | 7.3 |
| WNW | . | 1 | | | | | | | | | | 1.7 | 3.3 |
| NW | . | | | | | | | | | | | 1.1 | 3.3 |
| NNW | . | | | | | | | | | | | 1 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.7 | |
| | 5.4 | 6.7 | 1.7 | 4 | | | | | | | | 100 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS: 271

SWOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

BT 47 HQM

SECRET

FEARS

MOA 74

CLASS

HOUSE - 1 5 7

CONDITION

| SPEED
KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | 1. | 1. | | | | | | | | | | 3.4 | 3.3 |
| NNE | | | | | | | | | | | | 1.7 | 1.7 |
| NE | . | 1. | 1. | | | | | | | | | 4.9 | 4.7 |
| NNE | . | 1. | 1. | | | | | | | | | 5.1 | 5.3 |
| ESE | 1. | 1. | | 2.6 | | | | | | | | 17.9 | 5.7 |
| SE | . | 1. | 1. | 1.9 | | | | | | | | 27.9 | 3.1 |
| SSE | . | 1. | 1. | 1.7 | | | | | | | | 1.4 | 7.0 |
| S | . | 1. | | .4 | | | | | | | | 1.9 | 4.5 |
| SSW | . | 1. | | | | | | | | | | 5.1 | 7.1 |
| SW | . | 1. | | .4 | | | | | | | | 6.4 | 7.6 |
| WSW | 1. | 1. | | 1.7 | .4 | | | | | | | 5.1 | 6.0 |
| W | | | | | | | | | | | | 1.9 | 4.7 |
| WNW | . | 1. | 1. | .4 | | | | | | | | 4.3 | 5.1 |
| NW | . | | | | | | | | | | | 7.4 | 10.0 |
| NNW | . | | | | | | | | | | | 7.4 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5. | |
| | 1.0 | 31.0 | 31.1 | 1.3 | .4 | .4 | | | | | | 100 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

27 -

SINOS

L
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME STATION NAME YEAR MONTH
CLASS
CONDITION

| SPEED
ENTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 0.1 |
| NNE | | | | | | | | | | | | 1.0 | 0.4 |
| NE | | | | | | | | | | | | 2.0 | 0.7 |
| ENE | | | | | | | | | | | | 4.0 | 0.5 |
| E | | | | | | | | | | | | 14.0 | 7.0 |
| ESE | | | | | | | | | | | | 1.0 | 7.1 |
| SE | | | | | | | | | | | | 1.0 | 7.3 |
| SSE | | | | | | | | | | | | 4.0 | 6.9 |
| S | | | | | | | | | | | | 4.0 | 6.4 |
| SSW | | | | | | | | | | | | 1.0 | 6.5 |
| SW | | | | | | | | | | | | 0.0 | 6.0 |
| WSW | | | | | | | | | | | | 7.0 | 7.5 |
| W | | | | | | | | | | | | 6.0 | 6.2 |
| WNW | | | | | | | | | | | | 4.0 | 7.4 |
| NW | | | | | | | | | | | | 2.0 | 7.6 |
| NNW | | | | | | | | | | | | 2.0 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | | | | | | | | | | | | 10.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 22.1

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ALL STATE CLASS: CL MONTH: 1
 YEAR: 1957 HOURS: 10
 CONDITION:

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------|------|-----------------------|
| N | • | • | | • | | | | | | | | 2.0 | 5.3 |
| NNE | • | | | | | | | | | | | 1.0 | 5.3 |
| NE | • | | | | | | | | | | | 2.0 | 5.3 |
| ENE | • | • | | • | | | | | | | | 2.0 | 4.6 |
| E | • | • | • | • | | | | | | | | 6.0 | 7.1 |
| ESE | • | • | • | • | • | | | | | | | 17.6 | 7.8 |
| SE | • | • | • | • | | | | | | | | 5.0 | 7.6 |
| SSE | • | • | • | | | | | | | | | 5.0 | 4.7 |
| S | • | • | • | | | | | | | | | 4.0 | 3.7 |
| SSW | • | • | • | • | | | | | | | | 7.0 | 4.7 |
| SW | • | • | • | • | • | | | | | | | 9.0 | 6.3 |
| WSW | • | • | • | • | • | | | | | | | 7.0 | 6.7 |
| W | • | • | • | • | • | | | | | | | 7.0 | 6.4 |
| WNW | • | • | • | • | | | | | | | | 4.0 | 5.2 |
| NW | • | • | • | | | | | | | | | 1.0 | 4.3 |
| NNW | • | • | | | | | | | | | | 1.0 | 4.3 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.0 | |
| | 2.0 | 5.0 | 1.0 | 11.6 | 0.7 | | | | | | | 10.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 200

NAVAL WEATHER SERVICE
OFFICE OF THE DIRECTOR
NAVY DEPARTMENT
WASHINGTON, D.C. 20375

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

ALL WEATHER
CLASS

YEARS

MONTH

15
HOURS PER DAY

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1.0 | | | | | | | | | | 1.0 | 3.0 |
| NNE | | 1.0 | | | | | | | | | | 1.0 | 4.0 |
| NE | | 1.0 | | | | | | | | | | 1.0 | 5.0 |
| ENE | | 1.0 | | | | | | | | | | 1.0 | 6.0 |
| E | | 1.0 | | | | | | | | | | 1.0 | 7.0 |
| ESE | | 1.0 | | | | | | | | | | 1.0 | 8.0 |
| SE | | 1.0 | | | | | | | | | | 1.0 | 9.0 |
| SSE | | 1.0 | | | | | | | | | | 1.0 | 10.0 |
| S | | 1.0 | | | | | | | | | | 1.0 | 11.0 |
| SSW | | 1.0 | | | | | | | | | | 1.0 | 12.0 |
| SW | | 1.0 | | | | | | | | | | 1.0 | 13.0 |
| WSW | | 1.0 | | | | | | | | | | 1.0 | 14.0 |
| W | | 1.0 | | | | | | | | | | 1.0 | 15.0 |
| WNW | | 1.0 | | | | | | | | | | 1.0 | 16.0 |
| NW | | 1.0 | | | | | | | | | | 1.0 | 17.0 |
| NNW | | 1.0 | | | | | | | | | | 1.0 | 18.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 3.0 | 34.1 | 11.6 | 7.0 | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS

223

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
AT THE STATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME USSA STATION NAME USSA YEARS 1957 MONTH 15
CLASS ALL WEATHER HOURS 11.5 T
CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0 | 0 | 0.7 | 1.0 | 0.7 | | | | | | | 2.4 | 10.3 |
| NNE | 0 | 0 | 0.7 | 0.7 | 0.7 | | | | | | | 1.7 | 10.6 |
| NE | 0 | 0.7 | 1.0 | 1.0 | | | | | | | | 4.0 | 7.7 |
| ENE | 0 | 0.7 | 2.0 | | | | | | | | | 5.0 | 6.9 |
| E | 0.7 | 0.7 | 1.0 | 4.0 | 1.0 | | | | | | | 24.4 | 8.2 |
| ESE | 0 | 0.7 | 12.7 | 9.7 | 1.0 | | | | | | | 26.0 | 10.0 |
| SE | 0 | 1.0 | 4.0 | 3.4 | 0.7 | | | | | | | 9.1 | 8.5 |
| SSE | 0 | 0 | 1.0 | | | | | | | | | 1.7 | 9.0 |
| S | 0 | 0 | 1.0 | | | | | | | | | 1.4 | 7.6 |
| SSW | 0 | 0 | 0.7 | 0.7 | | | | | | | | 1.7 | 7.2 |
| SW | 0 | 0 | 0.7 | 1.0 | | | | | | | | 1.4 | 12.0 |
| WSW | 0 | 0 | 2.1 | 2.1 | | | | 0.7 | | | | 4.0 | 12.1 |
| W | 0 | 1.0 | 0.7 | 0.7 | | | | | | | | 2.0 | 7.6 |
| WNW | 0 | 0 | 0.7 | 1.0 | | | | | | | | 4.1 | 11.3 |
| NW | 0 | 0 | 2.0 | 2.1 | | | | | | | | 5.0 | 9.6 |
| NNW | 0 | 0 | 1.0 | 0.7 | | | | | | | | 2.1 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.0 | 20.6 | 44.3 | 24.9 | 3.4 | | | 0.3 | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS 201

SMOS

NAVAL WEATHER SERVICE
DEPARTMENT
ATMOSPHERIC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME U.S. JAPAN YEARS 1950-51 MONTH ALL
 STATION NAME U.S. JAPAN YEARS 1950-51 MONTH ALL
 CLAS 10
 HOURS (LST) 10
 CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | .7 | .7 | 1.0 | 1.0 | | | | | | | | 3.1 | 7.0 |
| NNE | .7 | 2.0 | 1.0 | | | | | | | | | 2.0 | 5.6 |
| NE | | 1.0 | 1.0 | 1.0 | | | | | | | | 4.2 | 7.6 |
| ENE | | 1.0 | .7 | .7 | | | | | | | | 3.3 | 7.5 |
| E | .7 | .7 | 1.0 | 1.0 | 1.0 | | | | | | | 24.2 | 5.4 |
| ESE | | 1.0 | .7 | .7 | .7 | .7 | | .7 | | | | 10.5 | 10.9 |
| SE | | | .7 | 2.1 | 1.0 | | | | | | | 6.0 | 11.6 |
| SSE | | 1.0 | 1.0 | .7 | | | | | | | | 3.0 | 7.6 |
| S | | .7 | .7 | 1.0 | | | | | | | | 1.7 | 9.8 |
| SSW | | .7 | 1.0 | .7 | | | | | | | | 2.1 | 8.5 |
| SW | | .7 | 1.0 | .7 | | | | | | | | 2.1 | 7.5 |
| WSW | | .7 | 1.0 | 2.0 | | | | | | | | 4.0 | 11.7 |
| W | .7 | .7 | .7 | 2.0 | .7 | | | | | | | 3.0 | 10.8 |
| WNW | | .7 | .7 | 1.0 | .7 | | | | | | | 4.0 | 10.4 |
| NW | | .7 | .7 | 1.0 | .7 | | | | | | | 2.0 | 11.5 |
| NNW | | 1.0 | 2.1 | 1.0 | | | | | | | | 4.5 | 5.4 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.0 | 2.0 | 4.0 | 7.0 | 7.8 | .7 | | .3 | | | | 10.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS 288

SMOS

NAVAL WEATHER SERVICE
DEPARTMENT
ARMY AIR FORCE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
T. 1. 4, JAPAN

STATION NAME

YEARS

YEARS

MONTH

MONTH

ALL WEATHER

CLASS

HOURS 11 12 1

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | . | . | 1.0 | | | | | | | | | 2.0 | 5.9 |
| NNE | . | . | . | | | | | | | | | 1.0 | 6.8 |
| NE | . | 1.0 | . | | | | | | | | | 2.0 | 5.2 |
| ENE | . | 3.0 | . | .4 | | | | | | | | 8.1 | 4.0 |
| E | 1.0 | 3.0 | 3.0 | 3.0 | .4 | | | | | | | 12.1 | 5.2 |
| ESE | . | 4.0 | 5.0 | 4.0 | .9 | .4 | .4 | | | | | 17.7 | 9.2 |
| SE | . | 2.0 | 2.0 | 2.0 | .4 | | | | | | | 8.5 | 9.0 |
| SSE | . | . | .4 | .4 | | | | | | | | 2.4 | 5.3 |
| S | .2 | 2.0 | 1.0 | .4 | | | | | | | | 5.2 | 6.0 |
| SSW | . | . | 3.0 | | | | | | | | | 5.6 | 7.3 |
| SW | . | 1.0 | 3.0 | .6 | | | | | | | | 6.5 | 7.1 |
| WSW | .4 | 1.0 | 2.0 | 2.0 | .8 | | | | | | | 6.5 | 9.9 |
| W | 2.0 | 2.0 | 1.0 | 1.2 | .4 | | | | | | | 7.7 | 6.5 |
| WNW | . | . | 2.0 | .0 | | | | | | | | 4.0 | 7.8 |
| NW | 1.0 | | 2.0 | | | | | | | | | 4.4 | 6.3 |
| NNW | | 1.0 | | | | | | | | | | 1.2 | 4.7 |
| VARA | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 15.0 | 30.0 | 33.0 | 15.7 | 2.8 | .4 | .4 | | | | | 10.1 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS

24

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 45 STATION NAME YAKATA, JAPAN YEARS 13-12 MONTH AUG
CLAS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .7 | 1.0 | .7 | | | | | | | | | 2.7 | 4.5 |
| NNE | 2.0 | | | .7 | | | | | | | | 2.7 | 3.5 |
| NE | 1.0 | .7 | | | | | | | | | | 1.7 | 3.6 |
| ENE | | .7 | .7 | | | | | | | | | 1.4 | 5.8 |
| E | 1.4 | 1.7 | 1.7 | 1.7 | | | | | | | | 5.5 | 7.3 |
| ESE | .7 | 2.0 | 2.0 | 2.7 | 1.4 | .7 | | | | | | 10.6 | 7.3 |
| SE | 2.0 | 4.1 | 2.0 | .7 | | | | | | | | 9.2 | 5.9 |
| SSE | .7 | 2.7 | | .7 | | | | | | | | 5.5 | 4.1 |
| S | .7 | 2.0 | 2.0 | .7 | | | | | | | | 7.2 | 5.1 |
| SSW | 1.7 | 4.4 | 1.4 | | | | | | | | | 7.5 | 4.6 |
| SW | 4.1 | 4.4 | 1.4 | | | | | | | | | 9.4 | 4.0 |
| WSW | .4 | 2.7 | 1.7 | 1.7 | .3 | | | | | | | 11.7 | 5.7 |
| W | .4 | 4.1 | .7 | | | | | | | | | 9.5 | 3.5 |
| WNW | 1.7 | .7 | .7 | .7 | | | | | | | | 2.4 | 5.0 |
| NW | 1.0 | .7 | .7 | | | | | | | | | 2.7 | 5.2 |
| NNW | .7 | 1.0 | | | | | | | | | | 1.4 | 3.6 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.5 | |
| | 23.1 | 33.4 | 14.4 | 6.2 | 1.7 | .5 | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 273

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 13-12 YEARS: 33 MONTH: 33 HOURS: 1157

CLASS: ALL WEATHER

CONDITION:

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .0 | .0 | | | | | | | | | 1.0 | 4.4 |
| NNE | .0 | .0 | | | | | | | | | | 1.1 | 3.3 |
| N E | .0 | .0 | .0 | | | | | | | | | 2.0 | 4.0 |
| ENE | .0 | .0 | .0 | .0 | | | | | | | | 2.0 | 6.6 |
| E | .0 | 1.0 | 1.0 | 1.0 | .0 | | | | | | | 7.6 | 7.4 |
| ESE | .0 | 2.0 | .1 | 2.0 | .7 | .0 | | | | | | 13.0 | 8.5 |
| SE | 1.0 | 1.0 | 2.0 | .7 | .0 | | | | | | | 6.0 | 7.2 |
| SSE | .0 | 2.0 | .0 | | | | | | | | | 7.2 | 3.9 |
| S | .0 | 3.0 | 1.1 | .0 | | | | | | | | 6.0 | 5.2 |
| SSW | .0 | 7.3 | | | .0 | | | | | | | 5.0 | 4.8 |
| SW | 1.1 | 4.0 | 2.0 | .0 | | | | | | | | 8.0 | 5.9 |
| WSW | .0 | 4.0 | 2.0 | .0 | | | | | | | | 11.2 | 5.0 |
| W | .0 | 2.0 | .0 | .0 | | | | | | | | 8.7 | 3.6 |
| WNW | .0 | .0 | .0 | .0 | .7 | | | | | | | 4.3 | 6.8 |
| NW | .0 | .0 | | | | | | | | | | 1.1 | 2.3 |
| NNW | .0 | .0 | | | | | | | | | | 1.1 | 2.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.1 | |
| | 31.0 | 30.0 | 16.1 | 7.6 | 2.5 | .0 | | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 276

8805

2

NAVY WEATHER SERVICE
METEOROLOGICAL
OFFICE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME STATION NAME YEARS 1950-1951

ALL WEATHER CLASS ALL WEATHER

CONDITION ALL WEATHER

STATION STATION MONTH ALL HOURS ALL

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 0.0 | | | | | | | | | | | 0.7 | 2.5 |
| NNE | 0.0 | | | | | | | | | | | 0.4 | 2.0 |
| NE | 0.0 | | 0.1 | | | | | | | | | 0.7 | 6.5 |
| ENE | 0.0 | 0.7 | 0.0 | | | | | | | | | 1.7 | 4.3 |
| E | 3.7 | 1.5 | 1.1 | 1.5 | 0.4 | | | | | | | 8.6 | 6.1 |
| ESE | 2.0 | 2.0 | 2.7 | 3.0 | 0.4 | | | | | | | 12.7 | 7.6 |
| SE | 2.2 | 2.1 | 5.2 | 1.1 | | | | | | | | 11.2 | 7.1 |
| SSE | 0.2 | 0.7 | 1.1 | | | | | | | | | 4.1 | 4.2 |
| S | 1.0 | 1.0 | 1.5 | | | | | | | | | 5.7 | 4.8 |
| SSW | 0.0 | 4.1 | 2.6 | 0.4 | | | | | | | | 9.7 | 5.5 |
| SW | 1.0 | 2.4 | 1.1 | 0.4 | | | | | | | | 6.4 | 5.4 |
| WSW | 2.4 | 4.1 | 1.5 | 0.7 | | | | | | | | 9.7 | 5.2 |
| W | 2.5 | 2.0 | 0.7 | 0.4 | 0.4 | | | | | | | 12.0 | 4.1 |
| WNW | 1.1 | 1.1 | 0.4 | | | | | | | | | 2.6 | 4.1 |
| NW | | 0.7 | 0.0 | | 0.4 | | | | | | | 1.5 | 3.5 |
| NNW | 0.0 | | | | | | | | | | | 0.4 | 2.0 |
| YARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.4 | |
| | 51.1 | 27.3 | 20.2 | 7.5 | 1.5 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 267

2605

2

NAVY WEATHER SERVICE
DEPARTMENT
ADVISORY

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL SEASIDE CLASS: ALL MONTH: JUL
STATION: 17-11 YEARS: 1961
CONDITION: ALL
HOURS: 1157

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.1 | 4.6 |
| NNE | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.4 | 4.2 |
| NE | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.3 | 4.9 |
| ENE | .0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.1 | 5.1 |
| E | .0 | 6.0 | 7.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 21.0 | 6.6 |
| ESE | 1.0 | 4.0 | 7.0 | 5.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 20.1 | 6.6 |
| SE | 1.0 | 3.0 | 2.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 8.9 | 7.1 |
| SSE | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 4.0 |
| S | 1.0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.9 | 5.1 |
| SSW | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.2 | 5.5 |
| SW | .0 | 1.0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.3 | 6.2 |
| WSW | 1.0 | 1.0 | .0 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.7 | 7.6 |
| W | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.1 | 4.9 |
| WNW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.1 | 4.7 |
| NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.1 | 5.5 |
| NNW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 5.7 |
| VARIABLE | | | | | | | | | | | | 7.7 | |
| CALM | | | | | | | | | | | | | |
| | 21.4 | 30.0 | 26.4 | 12.3 | 1.2 | .0 | .0 | .0 | .0 | .0 | .0 | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 2178

SMOS

2

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME STATION A, JAPAN YEARS 73-74 MONTH JUL
 CLASS ALL WEATHER HOURS 21
 CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 14 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.2 | 0.4 | | | | | | | | | | 2.6 | 2.9 |
| NNE | 1.0 | 1.1 | | | | | | | | | | 3.0 | 3.3 |
| NE | 0.7 | 0.7 | | | | | | | | | | 1.5 | 3.8 |
| ENE | 0.4 | 0.7 | | | | | | | | | | 4.1 | 2.5 |
| E | 1.0 | 7.1 | 3.7 | 0.7 | | | | | | | | 22.7 | 4.5 |
| ESE | 1.2 | 4.5 | 6.7 | 7.4 | | | | | | | | 16.0 | 7.6 |
| SE | 1.1 | 3.7 | 7.7 | 0.7 | | | | | | | | 8.6 | 6.3 |
| SSE | 4.1 | 3.0 | 0.4 | | | | | | | | | 7.5 | 4.0 |
| S | 7.0 | 0.7 | 0.4 | | | | | | | | | 4.1 | 2.8 |
| SSW | 1.1 | 1.7 | 0.7 | | | | | | | | | 3.7 | 5.0 |
| SW | 0.4 | 1.5 | 1.1 | 0.7 | | | | | | | | 3.7 | 6.8 |
| WSW | 1.1 | 1.1 | | 0.4 | | | | | | | | 2.6 | 5.6 |
| W | 1.1 | 1.0 | 0.4 | 0.7 | | | | | | | | 4.1 | 6.3 |
| WNW | 1.1 | 1.5 | | | | | | | | | | 2.6 | 3.6 |
| NW | 1.0 | 0.4 | | | | | | | | | | 1.9 | 2.0 |
| NNW | 0.7 | 0.7 | | | | | | | | | | 1.5 | 3.3 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.4 | |
| | 15.2 | 31.0 | 15.7 | 6.7 | | | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 268

2806

2

NAVAL WEATHER SERVICE
FLEET WEATHER
STATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

1000 A, JAPAN

STATION NAME

1000 A

YEARS

JUL

MONTH

ALL WEATHER

CLAS

10

HOURS IN DAY

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 4.7 |
| NNE | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 4.5 |
| NE | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 4.7 |
| ENE | 0.1 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 4.8 |
| E | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33.4 | 5.7 |
| ESE | 0.0 | 0.0 | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.0 | 8.4 |
| SE | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | 6.8 |
| SSE | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 4.5 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.7 |
| SSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 |
| SW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.0 |
| WSW | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 9.5 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 12.7 |
| NW | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 7.0 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 7.3 |
| VARBL | | | | | | | | | | | | 2.1 | |
| CALM | | | | | | | | | | | | | |
| | 10.5 | 41.7 | 29.3 | 13.1 | 0.3 | | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS

290

SMOS

NAVY WEATHER SERVICE
DETACHMENT
ASHTABULA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHTABULA

STATION NAME

YEARS

YEARS

DATE

MONTH

1st

NUMBER OF OBS.

ALL WEATHER

CLASS

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | .7 | 1. | 1.4 | | | | | | | | 3.1 | 9.7 |
| NNE | .7 | .7 | 1. | | | | | | | | | 2.1 | 5.6 |
| NE | .7 | 2. | 2.4 | | | | | | | | | 5. | 5.9 |
| NNE | | 7.1 | 3.1 | | | | | | | | | 6. | 6.5 |
| E | 1. | 6.7 | 19.4 | 5.9 | .3 | | | | | | | 33.5 | 9.3 |
| ESE | | 14.5 | 1.4 | 3.7 | 2.8 | | | | | | | 26.3 | 10.5 |
| SE | . | 2.4 | 4.7 | 1.5 | .3 | | | | | | | 9.2 | 3.3 |
| SSE | | .7 | | .3 | | | | | | | | 1.2 | 2.0 |
| S | | .7 | 1. | | | | | | | | | 1.7 | 7.2 |
| SSW | | 1. | | | | | | | | | | 1.2 | 5.3 |
| SW | | .7 | | 1. | | | | | | | | 1.4 | 11.3 |
| WSW | | | | 2.4 | | | | | | | | 2.4 | 13.5 |
| W | | | 1. | .3 | .3 | | | | | | | 1.7 | 11.6 |
| WNW | | | .7 | 1.4 | | | | | | | | 2.1 | 11.6 |
| NW | | | | | | | | | | | | | |
| NNW | | 1. | 1. | | | | | | | | | 2.1 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 2.4 | 24.5 | 46.0 | 22.8 | 3.8 | | | | | | | 100.6 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS

289

SMOS

17
2

NAVAL WEATHER SERVICE
DETACHMENT
ASAGUELLING

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5 17-45
STATION NAME ALL-WEATHER CLASS 17-45
YEARS 1971-1972
MONTH 12
HOURS 11-17
CONDITION

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | . | 2.7 | 1.7 | | | | | | | | | 4.1 | 6.6 |
| NNE | | 1.0 | | | | | | | | | | 1.7 | 6.6 |
| NE | . | 1.0 | 7.1 | .7 | | | | | | | | 3.8 | 6.6 |
| ENE | | 4.5 | 2.7 | .7 | | | | | | | | 7.6 | 6.6 |
| E | . | 11.7 | 1.7 | 4.3 | .7 | | | | | | | 35.4 | 9.1 |
| ESE | | 1.1 | 11.7 | 7.7 | 1.7 | | | | | | | 23.7 | 10.2 |
| SE | . | 1.0 | 2.7 | 2.4 | .7 | | | | | | | 7.7 | 10.4 |
| SSE | | . | | | | | | | | | | 7.7 | 5.8 |
| S | | | 1.0 | | | | | | | | | 1.6 | 5.8 |
| SSW | | 1.0 | . | .7 | | | | | | | | 2.1 | 7.7 |
| SW | | . | 1.0 | .7 | | | | | | | | 2.7 | 7.7 |
| WSW | | | 1.0 | 7.4 | .7 | | | | | | | 4.3 | 12.5 |
| W | . | . | | .7 | .3 | | | | | | | 2.1 | 7.7 |
| WNW | | | . | .7 | | | | | | | | .7 | 11.0 |
| NW | | | | 1.0 | | | | | | | | 1.6 | 13.0 |
| NNW | . | .7 | 1.0 | | | | | | | | | 1.7 | 7.6 |
| VARBL | | | | | | | | | | | | . | |
| CALM | | | | | | | | | | | | . | |
| | 2.7 | 27.8 | 44.3 | 21.0 | 4.1 | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 771

SMOS

2

NAVY WEATHER SERVICE
DEPARTMENT
ATMOSPHERIC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: STATION NAME YEARS: 1950-1951

CLASS: ALL WEATHER

CONDITION:

STATION: PORT:

HOURLY:

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | .1 | .1 | .1 | | | | | | | | | 1.0 | 5.0 |
| NNE | 1.1 | .1 | | | | | | | | | | 1.0 | 2.0 |
| NE | .1 | | | .4 | | | .4 | | | | | 1.0 | 14.0 |
| NNE | .1 | .1 | .4 | | .4 | | | | | | | 1.0 | 5.0 |
| E | .1 | .4 | .7 | 1.9 | .7 | | | | | | | 4.0 | 11.0 |
| ESE | .1 | .4 | 2.0 | 1.1 | .4 | | | | | | | 4.0 | 5.0 |
| SE | .1 | 2.0 | 2.0 | 1.1 | .4 | | | | | | | 7.0 | 7.0 |
| SSE | .2 | 3.0 | 1.0 | | | | | | | | | 7.0 | 4.0 |
| S | .1 | 4.0 | 1.0 | | | | | | | | | 6.0 | 4.0 |
| SSW | .1 | .1 | 1.0 | .4 | | | | | | | | 1.0 | 5.0 |
| SW | .2 | .7 | 1.0 | .7 | | | | | | | | 13.0 | 5.0 |
| WSW | .1 | 2.0 | 3.0 | | | | | | | | | 14.0 | 5.0 |
| W | .5 | 4.0 | .7 | .4 | | | | | | | | 10.0 | 3.0 |
| WNW | .2 | 2.0 | 1.0 | .4 | | | | | | | | 1.0 | 4.0 |
| NW | | .1 | .1 | .7 | | | | | | | | 2.0 | 5.0 |
| NNW | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.0 | 40.4 | 17.3 | 7.0 | 1.0 | | .4 | | | | | 10.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
STATION REPORT
WIND RECORDING

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 13, 01, 11 STATION NAME YEARS MONTH 07 HOURS 151

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .1 | 1.1 | | .4 | | | | | | | | 1.6 | 6.2 |
| NNE | | .1 | .1 | | | | | | | | | .4 | 7.5 |
| NE | .1 | | | | | | | | | | | .4 | 7.5 |
| ENE | | | | .1 | | | | | | | | .1 | 13.6 |
| E | .1 | .1 | 1.1 | 2.2 | .4 | .4 | | | | | | 5.6 | 1.7 |
| ESE | | 1.1 | .4 | 2.6 | .4 | | | | | | | 5.6 | 1.1 |
| SE | .1 | 1.1 | 1.1 | .4 | | | | | | | | 4.4 | 6.3 |
| SSE | 1.1 | .1 | .1 | | | | | | | | | 4.4 | 4.5 |
| S | 1.1 | 4.1 | .4 | | | | | | | | | 5.6 | 4.7 |
| SSW | .1 | 3.1 | 4.4 | | | | | | | | | 10.4 | 5.5 |
| SW | .2 | 6.6 | 5.2 | | | | | | | | | 15.4 | 5.1 |
| WSW | .2 | .4 | 1.1 | .7 | | | | | | | | 12.2 | 5.4 |
| W | .1 | .1 | .4 | .4 | | .4 | | | | | | 14.8 | 4.3 |
| WNW | .1 | 1.1 | 1.1 | 1.1 | .4 | | | | | | | 5.6 | 7.5 |
| NW | .1 | 1.1 | 1.1 | .4 | | | | | | | | 3.7 | 5.7 |
| NNW | | .1 | .4 | | | | | | | | | .7 | 7.5 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.4 | |
| | 21.7 | 36.7 | 19.6 | 8.9 | 1.1 | .7 | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 270

SMOS



2

NAVAL WEATHER SERVICE
DETACHMENT
ASAGI, JAPANPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5 STATION NAME ASAGI, JAPAN YEARS 73-90

ALL WEATHER

CLAS

CONDITON

SEP MONTH

06

HOURLY

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | .7 | | | | | | | | | 1.1 | 7.0 |
| NNE | | | | | | | | | | | | .7 | 2.5 |
| NE | | | | | .4 | | | | | | | .7 | 12.5 |
| ENE | | | .4 | .7 | .4 | | | | | | | 1.0 | 12.5 |
| E | | 1.1 | 1.0 | 1.4 | .7 | | | | | | | 5.2 | 10.1 |
| ESE | | 1.1 | .7 | 1.0 | .4 | | | | | | | 3.2 | 10.7 |
| SE | .0 | 1.4 | 1.4 | 1.1 | .4 | | | | | | | 6.1 | 7.2 |
| SSE | 1.0 | 1.0 | .7 | | | | | | | | | 4.3 | 4.3 |
| S | .7 | 1.0 | 1.0 | | | | | | | | | 7.5 | 4.6 |
| SSW | 1.0 | 1.4 | 3.0 | .4 | | | | | | | | 16.4 | 5.6 |
| SW | 1.4 | .7 | 4.0 | | | | | | | | | 14.3 | 5.9 |
| WSW | .0 | 6.1 | 1.1 | .4 | | | | | | | | 12.6 | 4.5 |
| W | .1 | 4.3 | 2.0 | .7 | | | | | | | | 13.7 | 4.9 |
| WNW | .7 | 1.0 | .4 | | | | | | | | | 2.9 | 4.3 |
| NW | .0 | .7 | 1.4 | .4 | | | | | | | | 3.2 | 6.9 |
| NNW | .7 | | | | | | | | | | | .7 | 2.5 |
| VARBL | | | | | | | | | | | | 5.0 | |
| CALM | | | | | | | | | | | | | |
| | 24.6 | 3.6 | 21.0 | 6.0 | 2.1 | | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 280

8805

2

NAVAL WEATHER SERVICE
ATTACHMENT
WMO FORM 101

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: YARDA, JAPAN YEARS: 72-73

CLASS: ALL WEATHER

CONDITION: _____

REF: _____ NORTH: _____

CG: _____ HOURS (LST): _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .1 | 1.7 | .4 | | | | | | | | 2.6 | 7.7 |
| NNE | .1 | .4 | .1 | .4 | | | | | | | | 2.0 | 7.2 |
| NE | .1 | .1 | .1 | .4 | | | | | | | | 2.4 | 6.3 |
| ENE | .4 | .4 | .1 | .1 | | | | | | | | 1.5 | 5.5 |
| E | .4 | 1.2 | 2.4 | 1.2 | .4 | | | | | | | 5.7 | 9.4 |
| ESE | .4 | 1.2 | .1 | 1.3 | | | | | | | | 5.7 | 10.1 |
| SE | .1 | 3.7 | 2.8 | 2.5 | | | | | | | | 9.8 | 8.0 |
| SSE | .1 | 2.1 | 2.7 | | | | | | | | | 4.9 | 5.7 |
| S | 1.2 | .3 | 2.4 | | | | | | | | | 8.9 | 5.7 |
| SSW | .1 | 2.7 | 3.7 | | | | | | | | | 8.1 | 5.7 |
| SW | 1.2 | 5.7 | 2.1 | 1.2 | .4 | | | | | | | 10.0 | 6.3 |
| WSW | 2.1 | 4.1 | 1.1 | .8 | | | | | | | | 8.9 | 5.8 |
| W | .1 | 3.7 | 2.1 | 1.2 | .4 | .4 | | | | | | 10.2 | 7.6 |
| WNW | 1.2 | 1.2 | 2.4 | 2.8 | .4 | | | | | | | 8.1 | 8.9 |
| NW | | 1.1 | 1.1 | 1.6 | | | | | | | | 4.9 | 8.3 |
| NNW | 1.2 | .4 | 1.2 | | | | | | | | | 2.8 | 4.7 |
| YARDA | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.4 | |
| | 10.1 | 35.0 | 25.0 | 17.1 | 1.6 | .4 | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 246

SMOS

2

NAVY WEATHER SERVICE
U.S. DEPARTMENT OF THE NAVY
WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME 17-22 YEARS 1950-1951
 CLASS ALL WEATHER
 CONDITION ALL WEATHER
 STATION 17-22 NORTH 17
 DEPT NAVY
 HOURS 11-17

| SPEED
(KNTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 0 | 1.1 | 7.0 | 0.7 | | | | | | | | 5.6 | 7.0 |
| NNE | 0 | | 0.7 | | | | | | | | | 1.1 | 7.0 |
| NE | 0 | 0 | 1.1 | 0.4 | | | | | | | | 4.1 | 6.8 |
| ENE | 0 | 2.2 | 2.6 | 1.1 | | | | | | | | 7.0 | 7.8 |
| E | 0 | 5.6 | 7.4 | 7.0 | | | | | | | | 18.7 | 7.8 |
| ESE | 0 | 1.1 | 5.6 | 6.7 | 1.1 | | | | | | | 14.0 | 11.1 |
| SE | 0.4 | 1.1 | 2.6 | 5.6 | 0.7 | | | | | | | 10.7 | 11.0 |
| SSE | 0 | 0 | 1.1 | | | | | | | | | 2.6 | 6.6 |
| S | 0 | 0 | 2.6 | | | | | | | | | 4.4 | 7.1 |
| SSW | 0 | 1.1 | 1.1 | | | | | | | | | 3.3 | 6.4 |
| SW | 0 | 1.1 | 1.1 | | 0.4 | | | | | | | 3.3 | 6.0 |
| WSW | 0.4 | 1.1 | 0.7 | 1.1 | 0.4 | 0.4 | | | | | | 4.4 | 9.7 |
| W | 0.7 | 0.7 | 0 | 2.2 | 0.7 | 0.4 | | | | | | 4.4 | 12.0 |
| WNW | 0 | 1.1 | 1.1 | 3.3 | 1.5 | | | | | | | 7.6 | 11.0 |
| NW | 0 | 0 | 2.6 | 1.1 | | | | | | | | 4.4 | 9.3 |
| NNW | 0 | 1.1 | 1.1 | 1.1 | | | | | | | | 5.5 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 0.2 | 20.2 | 34.7 | 27.4 | 4.0 | 0.7 | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 270

2808

2

STATION NAME
STATION NO.
DATE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: YOKOSUKA, JAPAN STATION NO.: 15 DATE: 1955
 ALL WEATHER CLASS: 15 MONTH: 15
 CONDITION: 15

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | 1.0 | 3.0 | | | | | | | | | 4.0 | 7.3 |
| NNE | .7 | .7 | .4 | | | | | | | | | 1.8 | 5.4 |
| NE | | 1.1 | 1.1 | | | | | | | | | 3.0 | 5.7 |
| ENE | | 1.1 | 3.0 | .4 | | | | | | | | 4.6 | 7.9 |
| E | | 2.0 | 8.1 | 2.8 | .7 | | | | | | | 14.6 | 8.3 |
| ESE | .1 | .7 | 11.1 | 7.0 | .4 | | | | | | | 24.6 | 7.1 |
| SE | | 1.0 | 3.0 | 6.3 | .4 | | | | | | | 11.7 | 11.4 |
| SSE | | 1.1 | 1.0 | .7 | | | | | | | | 3.0 | 7.5 |
| S | | 1.1 | .4 | .4 | | | | | | | | 2.1 | 6.5 |
| SSW | | .7 | 1.0 | | | | | | | | | 2.0 | 6.3 |
| SW | | 1.0 | .4 | | | .4 | | | | | | 2.5 | 6.0 |
| WSW | | | 1.0 | 1.4 | | | | | | | | 3.0 | 10.6 |
| W | | | .7 | 1.4 | .4 | .4 | .4 | | | | | 3.0 | 17.3 |
| WNW | | | .7 | 5.7 | 1.4 | | | | | | | 7.7 | 13.3 |
| NW | | | 1.0 | 4.6 | | | | | | | | 6.7 | 11.3 |
| NNW | | | 1.0 | .7 | | | | | | | | 2.1 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 4.0 | 10.5 | 41.1 | 30.6 | 3.2 | .7 | .4 | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 285

SMOS

10
2

NAVAL WEATHER SERVICE
U.S. DEPARTMENT OF THE NAVY

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME 4, JONAS YEARS 77-8 SE
ALL WEATHER 10
 CLASS 10
 HOURS 157
 CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.4 | | | | | | | | | | 2.4 | 3.3 |
| NNE | | | | | | | | | | | | 1.0 | 3.0 |
| NE | | | | | | | | | | | | | 6.5 |
| ENE | | | | | | | | | | | | 1.7 | 4.8 |
| E | | 4.0 | 1.0 | 1.4 | 1.0 | | | | | | | 11.4 | 6.5 |
| ESE | 1.0 | | 1.0 | 1.7 | | | | | | | | 17.2 | 6.9 |
| SE | | 1.0 | | 2.0 | | | | | | | | 13.4 | 4.2 |
| SSE | | | 1.0 | | | | | | | | | 11.4 | 5.3 |
| S | | 4.0 | | | | | | | | | | 6.0 | 5.3 |
| SSW | | | | | | | | | | | | 7.0 | 4.4 |
| SW | | | | | | | | | | | | 1.0 | 4.0 |
| WSW | | 1.0 | 1.0 | | | | | | | | | 7.0 | 6.5 |
| W | | | | 1.0 | | | | | | | | 10.0 | 3.1 |
| WNW | | 2.0 | 1.0 | 2.0 | | | | | | | | 7.0 | 7.7 |
| NW | | 1.0 | 1.0 | | | | | | | | | 7.0 | 5.2 |
| NNW | | 1.0 | | | | | | | | | | 1.7 | 5.6 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.4 | |
| | 1.0 | 41.4 | 26.0 | 10.7 | 2.1 | .7 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 157

SMOS

10
2

WIND RECORDING
STATION NAME
ADDITIONAL INFO

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: A, JAPAN STATION NAME: 17-21 YEARS: 1951-1952

ALL WEATHER CLASS ALL HOURS 12.5 T

CONDITION

| SPEED (KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | . | . | 1. | . | . | . | . | . | . | . | . | 2. | 6.5 |
| NNE | . | . | . | . | . | . | . | . | . | . | . | 1.2 | 6.4 |
| NE | . | . | . | 1. | . | . | . | . | . | . | . | 1.7 | 7.2 |
| ENE | . | . | 1. | . | 1. | . | . | . | . | . | . | 2.5 | 6.5 |
| E | . | . | 2. | 2.1 | . | 1. | . | . | . | . | . | 5.3 | 6.8 |
| ESE | . | 2.7 | 2. | 1.1 | 1.4 | . | . | . | . | . | . | 10.5 | 6.1 |
| SE | . | 2. | 2. | 2.7 | 1.7 | . | . | . | . | . | . | 9.2 | 6.7 |
| SSE | 1. | 2.7 | 1. | 1. | . | . | . | . | . | . | . | 5.1 | 6.3 |
| S | 1. | 3. | 1.7 | 1. | . | . | . | . | . | . | . | 6.4 | 5.5 |
| SSW | 1. | 3. | 1.7 | 1. | . | . | . | . | . | . | . | 7.4 | 5.6 |
| SW | 1. | 4.7 | 2.3 | 1. | 1. | . | . | . | . | . | . | 9.2 | 5.7 |
| WSW | 1. | 4.4 | 1. | 1.6 | 1. | 1. | . | . | . | . | . | 9.9 | 5.8 |
| W | 1. | 7.7 | 1. | 1.1 | 1.7 | 1. | 1. | . | . | . | . | 13.7 | 5.2 |
| WNW | 1. | 1. | 1.4 | 2. | 1. | . | . | . | . | . | . | 6.4 | 6.6 |
| NW | 1. | . | 1. | 1.1 | . | . | . | . | . | . | . | 3.5 | 6.1 |
| NNW | 1. | . | 1. | 1. | . | . | . | . | . | . | . | 1.7 | 7.5 |
| VARBL | . | . | . | . | . | . | . | . | . | . | . | . | . |
| CALM | . | . | . | . | . | . | . | . | . | . | . | 3.4 | . |
| | 17.2 | 34.7 | 24.4 | 14.9 | 2.2 | .5 | .1 | . | . | . | . | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 2101

SMOS

1
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NO. 10-10 STATION NAME ALL EATHER YEARS 1950-1951 DISTANCE FROM SHORE 10
 CLASS COAST GUARD CONDITION NOVEMBER 1951

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | | | | .4 | | | | | | | | .7 | 10.5 |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | 1.7 | | | | | | | | 2.4 | 1.5 |
| ESE | | | | | | | | | | | | .4 | |
| SE | | 2.0 | | | .4 | | | | | | | 3.0 | 7.6 |
| SSE | | 2.0 | | | | | | | | | | 3.0 | 5.9 |
| S | 2.4 | 7.0 | 1.7 | | | | | | | | | 7.0 | 4.8 |
| SSW | | 17.2 | 5.0 | .4 | | | | | | | | 21.8 | 5.6 |
| SW | 7.0 | 16.0 | 5.0 | .4 | | | | | | | | 16.0 | 5.1 |
| WSW | | 4.7 | 2.0 | 1.2 | | | | | | | | 13.3 | 5.2 |
| W | 4.0 | 5.7 | 4.7 | 1.7 | .4 | .4 | | | | | | 15.7 | 7.1 |
| WNW | | 2.0 | 2.7 | .6 | .4 | | | | | | | 3.1 | 7.7 |
| NW | | | | | | | | | | | | 2.4 | 5.7 |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | 2.4 | |
| CALM | | | | | | | | | | | | | |
| | 22.0 | 47.1 | 24.7 | 5.4 | 1.2 | .4 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 215

SWOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS 1-24

CONDITION

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | 1.0 | 0.4 | | | | | | | | 2.3 | 7.5 |
| NNE | | | | | | | | | | | | 0.1 | 4.0 |
| NE | | | | 0.1 | | | | | | | | 0.1 | 15.1 |
| ENE | | | | | | | | | | | | | |
| E | | | | 0.4 | 0.4 | | | | | | | 0.1 | 15.5 |
| ESE | | | | | | | | | | | | 1.2 | 4.3 |
| SE | | | 1.0 | | | 0.1 | | | | | | 0.7 | 10.7 |
| SSE | | | 0.7 | | | | | | | | | 0.7 | 5.8 |
| S | | 0.4 | 0.7 | 0.1 | | | | | | | | 0.8 | 5.3 |
| SSW | | 0.7 | 0.7 | | 0.4 | | | | | | | 1.8 | 1.5 |
| SW | | 0.7 | 0.7 | | | | | | | | | 0.8 | 6.0 |
| WSW | | | 0.7 | 1.0 | 0.2 | | | | | | | 2.9 | 6.0 |
| W | | 0.7 | 0.7 | 1.0 | 0.4 | | 0.4 | | | | | 17.2 | 6.4 |
| WNW | | 0.7 | 0.7 | 1.0 | 0.4 | | 0.4 | | | | | 6.3 | 5.5 |
| NW | | 0.7 | 0.7 | 0.4 | | | | | | | | 2.3 | 7.3 |
| NNW | | | | | | | | | | | | 0.1 | 5.5 |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.1 | |
| | 10.0 | 3.0 | 33.0 | 5.0 | 1.5 | 0.4 | 0.1 | | | | | 10.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS

457

SMOS

1
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ALL-WEATHER CLASS: ALL-WEATHER YEARS: 1961-1962 MONTH: 1962
STATION: 1014 STATION NAME: ALL-WEATHER CLASS: ALL-WEATHER YEARS: 1961-1962 MONTH: 1962
CONDITION: ALL-WEATHER

| SPEED (KNOTS)
DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-53 | ≥56 | % | MEAN WIND SPEED |
|-----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | | | | | | | | | | | | 1.4 | 5.5 |
| NNE | | | | | | | | | | | | 1.4 | 3.5 |
| NE | | | | | | | | | | | | 1.4 | 14.5 |
| ENE | | | | | | | | | | | | 1.4 | 11.5 |
| E | | | | | | | | | | | | 1.4 | 5.7 |
| ESE | | | | | | | | | | | | 1.4 | 5.3 |
| SE | | | | | | | | | | | | 1.4 | 5.3 |
| SSE | | | | | | | | | | | | 1.4 | 5.3 |
| S | | | | | | | | | | | | 1.4 | 5.3 |
| SSW | | | | | | | | | | | | 1.4 | 5.3 |
| SW | | | | | | | | | | | | 1.4 | 5.3 |
| WSW | | | | | | | | | | | | 1.4 | 5.3 |
| W | | | | | | | | | | | | 1.4 | 5.3 |
| WNW | | | | | | | | | | | | 1.4 | 5.3 |
| NW | | | | | | | | | | | | 1.4 | 5.3 |
| NNW | | | | | | | | | | | | 1.4 | 5.3 |
| VARBL | | | | | | | | | | | | 1.4 | 5.3 |
| CALM | | | | | | | | | | | | 1.4 | 5.3 |
| | 1.0 | 47.7 | 26.6 | 1.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 10.7 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS: 216

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS - L S Y

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 1.1 | | | 1.1 | | | | | | | | 3.0 | 3.7 |
| NNE | | | | | | | | | | | | 2.0 | 2.0 |
| NE | | | | | | | | | | | | 7.0 | 7.0 |
| ENE | | | | | | | | | | | | 5.0 | 5.0 |
| E | | | | | | | | | | | | 1.1 | 1.1 |
| ESE | | | | 1.1 | | | | | | | | 1.1 | 1.3 |
| SE | | | | | | | | | | | | 1.1 | 1.2 |
| SSE | | | | 1.1 | | | | | | | | 3.0 | 3.7 |
| S | | | | 1.1 | | | | | | | | 10.1 | 1.1 |
| SSW | | | | 1.1 | | | | | | | | 15.1 | 4.7 |
| SW | | | | 1.1 | | | | | | | | 14.1 | 5.0 |
| WSW | | | | 1.1 | | | | | | | | 13.8 | 5.0 |
| W | | | | 1.1 | | | | | | | | 13.7 | 5.0 |
| WNW | | | | 1.1 | | | | | | | | 9.1 | 3.7 |
| NW | | | | 1.1 | | | | | | | | 4.0 | 3.4 |
| NNW | | | | 1.1 | | | | | | | | 2.0 | 3.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.2 | 4.0 | 2.1 | 12.7 | 4.7 | 1.4 | | .4 | | | | 13.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

1
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: STATION NAME: YEARS: MONTH: HOURS: LST: CLASS: CONDITION:

| SPEED (KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----|-----------------|
| N | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| NNE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| N E | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| ENE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 11.2 |
| E | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| ESE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| SE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| SSE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| S | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 10.1 |
| SSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.1 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 10.1 |
| WSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 10.1 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 14.3 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 13.3 |
| NW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 11.8 |
| NNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.8 |
| VARBL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.8 |
| CALM | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: STATION NAME: YEARS: MONTH: HOURS: CLASS: CONDITION:

| SPEED
(KMTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VABBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 2.0 | 3.1 | 4.7 | 6.1 | | | | | | | 10.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

I
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

ALL DATA
CLASS

YEARS

MONTH

ALL
HOURS - L.S.T.

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | | | | | | | | | | | 0.1 | 0.7 |
| NNE | | | | | | 1 | | | | | | 0.1 | 7.7 |
| NE | | | | | | | | | | | | 0.1 | 7.7 |
| ENE | | | | | | | | | | | | 0.1 | 4.4 |
| E | | | | | | | | | | | | 1.3 | 0.1 |
| ESE | | | | | | | | | | | | 1.0 | 10.6 |
| SE | | | | | | | | | | | | 0.1 | 0.7 |
| SSE | | | | | | | | | | | | 0.1 | 0.7 |
| S | | | | | | | | | | | | 0.1 | 0.7 |
| SSW | | | | | | | | | | | | 10.1 | 0.7 |
| SW | | | | | | | | | | | | 10.1 | 0.7 |
| WSW | | | | | | | | | | | | 10.1 | 0.7 |
| W | | | | | | | | | | | | 10.1 | 10.6 |
| WNW | | | | | | | | | | | | 10.1 | 11.8 |
| NW | | | | | | | | | | | | 5.0 | 10.1 |
| NNW | | | | | | | | | | | | 2.0 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

223

SMOS

F
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

N
NORTH

CLASS

11
HOURS

CONDITION

| SPEED
(KNOTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | | | | | | | | | | 1.4 | 6.4 |
| NNE | | | | | | | | | | | | 1.4 | 4.7 |
| NE | | | | | | | | | | | | 1.4 | 11.7 |
| ENE | | | | | | | | | | | | 1.4 | 5.1 |
| E | | | | | | | | | | | | 1.4 | 11.7 |
| ESE | | | | | | | | | | | | 1.4 | 13.8 |
| SE | | | | | | | | | | | | 1.4 | 13.8 |
| SSE | 1.1 | 1.1 | | 4.4 | | 4.4 | | | | | | 1.4 | 5.1 |
| S | | | | 4.4 | | | | | | | | 11.2 | 5.1 |
| SSW | | | | 4.4 | | | | | | | | 11.1 | 5.1 |
| SW | | | | 4.4 | | | | | | | | 11.1 | 5.1 |
| WSW | | | | 4.4 | | | | | | | | 11.1 | 5.1 |
| W | | | | 4.4 | 2.6 | | 4.4 | | | | | 49.3 | 8.9 |
| WNW | 1.1 | 1.1 | | 4.4 | 2.6 | | | | | | | 9.6 | 4.7 |
| NW | | | | 1.1 | 4.4 | | | | | | | 5.6 | 4.7 |
| NNW | | | | | | | | | | | | 1.4 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 1.1 | 3.4 | 2.7 | 1.4 | 5.1 | 4.4 | 4.4 | | | | | 10.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS

171

SWOS

IN
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: _____ STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____
CONDITION: _____
HOURS: _____

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 4.2 |
| NNE | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 10.7 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 2.8 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 2.8 |
| E | 0 | 0 | 0.7 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 5.3 |
| ESE | 0 | 0 | 0 | 0.4 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 5.3 |
| SE | 0 | 1.0 | 0.7 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 6.0 |
| SSE | 0.1 | 0.5 | 1.0 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 5.6 |
| S | 0 | 0 | 0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 5.6 |
| SSW | 0 | 0.1 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 5.6 |
| SW | 0 | 0 | 1.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 5.6 |
| WSW | 0 | 0.2 | 0.7 | 1.0 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 5.2 |
| W | 0 | 0 | 0.5 | 0.7 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 5.5 |
| WNW | 1.0 | 0.1 | 0.5 | 0.5 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 13.3 | 5.1 |
| NW | 0 | 1.0 | 1.0 | 1.1 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 6.6 | 5.1 |
| NNW | 0 | 0 | 0.1 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 5.2 |
| VARBL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 |
| CALM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 0.0 |
| | 1.0 | 10.0 | 2.0 | 10.2 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS: 200

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____
 ALL WEATHER CLASS: _____
 CONDITION: _____

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | 1.0 | 0.2 | | | | | | | | 4.0 | 5.4 |
| NNE | | | | | 0.7 | | | | | | | 2.0 | 7.0 |
| NE | | 1.0 | 1.0 | | | | | | | | | 2.0 | 6.3 |
| ENE | | | | | | | | | | | | 1.0 | 7.0 |
| E | | 2.0 | 0.7 | 0.7 | | | | | | | | 4.0 | 7.7 |
| ESE | | | 0.7 | 0.7 | | | | | | | | 2.0 | 7.4 |
| SE | | 0.1 | 1.0 | 1.0 | 0.7 | | | | | | | 6.0 | 9.2 |
| SSE | | | | | | | | | | | | 1.0 | 6.3 |
| S | | | 1.0 | 0.7 | | | | | | | | 2.0 | 8.0 |
| SSW | | | 1.0 | 0.1 | | | | | | | | 2.0 | 7.5 |
| SW | | | 1.0 | 1.0 | | | | | | | | 2.0 | 10.0 |
| WSW | | | 2.1 | 3.0 | 0.7 | | | | | | | 7.0 | 13.0 |
| W | | | 4.5 | 0.1 | 0.2 | 0.7 | | | | | | 10.0 | 14.0 |
| WNW | | | 4.7 | 14.3 | 4.5 | 0.7 | | | | | | 24.0 | 13.4 |
| NW | | | 2.0 | 0.1 | 0.3 | | | | | | | 7.0 | 10.0 |
| NNW | | | 0.7 | 0.3 | | | | | | | | 4.0 | 7.6 |
| VARIABLE | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 0 | 12.0 | 31.0 | 36.2 | 11.5 | 1.0 | | | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS 237

SMOS

2

NAVAL WEATHER SERVICE
DEPARTMENT
ARMY

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

STATION NAME

ALL WEATHER
CLASS

YEARS

NO.
MONTH

17
HOURS PER DAY

CONDITION

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | | | 1.0 | | | | | | | | | 2.0 | 6.0 |
| NNE | | | 1.0 | | | | | | | | | 1.0 | 7.6 |
| NE | | | | | | | | | | | | 1.0 | 10.0 |
| ENE | | | | 1.0 | | | | | | | | 1.0 | 15.0 |
| E | 1.0 | | 1.0 | | | | | | | | | 3.0 | 5.0 |
| ESE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 10.0 |
| SE | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 3.0 | 5.0 |
| SSE | | | 1.0 | | | | | | | | | 2.0 | 6.0 |
| S | | 1.0 | | 1.0 | | | | | | | | 2.0 | 5.0 |
| SSW | | 1.0 | 1.0 | 1.0 | | | | | | | | 3.0 | 6.0 |
| SW | | 1.0 | 1.0 | 2.0 | | | | | | | | 5.0 | 10.0 |
| WSW | | | 1.0 | 1.0 | 1.0 | | | | | | | 3.0 | 12.0 |
| W | | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.0 | 14.0 |
| WNW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 5.0 | 13.0 |
| NW | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 4.0 | 11.0 |
| NNW | | 1.0 | 1.0 | 1.0 | | | | | | | | 3.0 | 6.0 |
| VARBL | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.0 | 16.0 | 25.0 | 34.0 | 14.0 | 2.0 | | | | | | 10.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS

27

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

NORTH

CLASS

HOURLS

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VARB | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 0.7 | 52.0 | 27.4 | 19.1 | 7.0 | 2.2 | | | | | | 170.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS

277

SMOS

10
2

NAVY
U.S. NAVY
U.S. NAVY

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

NOV
GORTH
12
HOURS 11.57

ALL LEADING
CLASS

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | . | | | | | | | | | | .7 | 5.5 |
| NNE | | . | | | | | | | | | | .7 | 4.7 |
| NE | | | | | | | | | | | | | |
| ENE | | | . | | | | | | | | | .7 | 5.5 |
| E | | | . | | | | | | | | | .3 | 10.3 |
| ESE | | | . | .3 | .7 | | | | | | | 1.3 | 13.7 |
| SE | | | . | .3 | .7 | | | | | | | 1.3 | 13.5 |
| SSE | | 1. | . | | | | | | | | | 3.1 | 5.3 |
| S | 1. | 7. | 2.4 | .7 | | | | | | | | 8.4 | 6.0 |
| SSW | 5.1 | . | 7. | .7 | | | | | | | | 17.3 | 6.1 |
| SW | 5.4 | 7. | 5. | .3 | | | | | | | | 18.3 | 5.8 |
| WSW | . | 3. | 2.1 | 1. | .7 | | | | | | | 10.7 | 5.8 |
| W | . | 5.2 | 7.4 | 5.5 | .7 | .3 | | | | | | 31.3 | 7.5 |
| WNW | 1. | 2.4 | 7.1 | 3.6 | 1. | .7 | . | | | | | 11.6 | 10.3 |
| NW | | . | 1. | 1. | | . | | | | | | 3.1 | 10.6 |
| NNW | | . | 1. | | | . | | | | | | 1.4 | 7.3 |
| VARB. | | | | | | | | | | | | 3.1 | |
| CALM | | | | | | | | | | | | | |
| | 10.3 | 33.7 | 32.1 | 17.7 | 2.4 | .7 | .3 | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 247

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

DATE

YEARS

ALL WEATHER
CLASS

NOV
MONT
DZ
HOURS 11.5 T

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | • | | • | | | | | | | | | 1.1 | • |
| NNE | • | • | | • | | | | | | | | 1.1 | • |
| NE | | | | | | | | | | | | | • |
| ENE | • | | | | | | | | | | | • | 1.1 |
| E | | • | • | | | | | | | | | • | • |
| ESE | • | | | | | • | | | | | | • | 12.6 |
| SE | • | • | • | 1.1 | | | | | | | | 2.7 | 3.1 |
| SSE | | 1.1 | • | • | | | | | | | | • | 6.1 |
| S | • | 4.1 | • | 1.1 | | | | | | | | 6.9 | 6.6 |
| SSW | • | • | • | • | | | | | | | | 12.6 | 5.4 |
| SW | • | 4.1 | 4.1 | 1.1 | | | | | | | | 12.6 | 6.0 |
| WSW | • | • | • | 1.1 | | | | | | | | 12.6 | 6.3 |
| W | • | • | • | 5.6 | 3.2 | • | | | | | | 22.6 | 4.9 |
| WNW | • | • | • | 2.6 | 1.6 | • | | | | | | 12.6 | 6.6 |
| NW | • | 1.1 | • | 1.1 | • | • | | | | | | 6.2 | 6.9 |
| NNW | | 1.1 | 1.1 | • | | | | | | | | 3.8 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.1 | 35.4 | 26.2 | 15.9 | 4.1 | 1.1 | | | | | | 171.7 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS

271

SMOS

2

NATIONAL WEATHER SERVICE
U.S. DEPARTMENT OF COMMERCE
WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
MAGNET, JAPAN

STATION NAME

YEARS

YEARS

DATE

MONTH

DAY

HOURLY

ALL WEATHER
CLASS

CONDITION

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | . | .4 | 1.1 | .4 | | | | | | | | 2.2 | 2.2 |
| NNE | | | | | | | | | | | | .4 | 5.0 |
| NE | | | | | | | | | | | | .7 | 9.5 |
| ENE | | | | .4 | | | | | | | | .4 | 2.0 |
| E | | | | | | | | | | | | .4 | 2.0 |
| ESE | | | | .4 | .4 | | .4 | | | | | 1.6 | 16.8 |
| SE | | | | .4 | | | | | | | | 1.6 | 7.2 |
| SSE | | | | | | | | | | | | 4.5 | 5.4 |
| S | | | | | | | | | | | | 5.0 | 5.0 |
| SSW | | | | | | | | | | | | 15.9 | 5.4 |
| SW | | | | .4 | | | | | | | | 10.7 | 5.1 |
| WSW | | | | 1.5 | .4 | .4 | | | | | | 13.3 | 6.6 |
| W | | | | 6.6 | 5.3 | 1.7 | .4 | | | | | 26.3 | 8.4 |
| WNW | | | | 2.5 | 2.6 | 1.1 | | | | | | 5.9 | 9.8 |
| NW | | | | 1.6 | .7 | | | | | | | 3.2 | 8.4 |
| NNW | | | | 1.6 | .4 | | | | | | | 3.2 | 8.6 |
| VARA | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.2 | |
| | 1.0 | 34.0 | 25.7 | 13.7 | 3.3 | .7 | .4 | | | | | 170.2 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS

271

SMOS

1
2

STATION NAME
STATION NUMBER
STATION LOCATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

ALL WEATHER
CLASS

NOT
GIVEN
ALL
HOURS ALL DAY

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | . | . | 1.2 | . | . | . | . | . | . | . | . | 3.7 | 7.5 |
| NNE | . | . | . | . | . | . | . | . | . | . | . | 1.2 | 5.5 |
| NE | . | . | . | 2 | . | . | . | . | . | . | . | 1.2 | 5.8 |
| ENE | . | . | . | . | .1 | . | . | . | . | . | . | .5 | 5.7 |
| E | . | . | 1.2 | .1 | .1 | . | . | . | . | . | . | 2.7 | 8.1 |
| ESE | . | 1 | 1.2 | 1.2 | .1 | . | . | . | . | . | . | 4.4 | 7.7 |
| SE | . | 1.2 | 1.2 | 1 | .2 | . | . | . | . | . | . | 4.7 | 8.4 |
| SSE | . | . | 1.2 | .1 | . | . | . | . | . | . | . | 4.2 | 5.3 |
| S | . | 1.2 | 1 | .5 | .1 | . | . | . | . | . | . | 7.2 | 5.8 |
| SSW | . | .1 | .2 | .4 | . | . | . | . | . | . | . | 12.4 | 6.2 |
| SW | 1 | .1 | .2 | .7 | . | . | . | . | . | . | . | 12.4 | 6.2 |
| WSW | .2 | .2 | .3 | 1.1 | .5 | .1 | . | . | . | . | . | 10.7 | 7.2 |
| W | .1 | .7 | .3 | 1.2 | 1.2 | .5 | .1 | . | . | . | . | 17.0 | 9.4 |
| WNW | . | 1.2 | 2 | 1.2 | .8 | .2 | . | . | . | . | . | 9.1 | 10.3 |
| NW | . | 1.2 | 1 | 1.2 | .2 | . | . | . | . | . | . | 5.6 | 7.3 |
| NNW | .1 | . | . | .2 | . | . | . | . | . | . | . | 1.7 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.1 | |
| | 17.1 | 34.2 | 20.2 | 14.7 | 8.4 | 1.2 | .2 | .2 | | | | 10.1 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 2276

SMOS

2

NAVAL WEATHER SERVICE
FLEET METEOROLOGICAL CENTER
ATLANTA, GEORGIA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL STATE STATION NAME: ALL STATE YEARS: 1951-1952
CLASS: ALL STATE MONTH: 1
HOURS: 11.57
CONDITION:

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | .7 | 12.5 |
| NNE | | | | | | | | | | | | .4 | 1.5 |
| NE | | | | | | | | | | | | .7 | 7.5 |
| NNE | | | | | | | | | | | | 1.1 | 1.0 |
| E | | | | 1.1 | | | | | | | | 1.1 | 11.5 |
| ESE | | | | | | | | | | | | .7 | 11.5 |
| SE | | | 1.1 | 1.1 | | | | | | | | 3.2 | 5.9 |
| SSE | | | 1.1 | | | | | | | | | 4.7 | 5.2 |
| S | | | 1.1 | | | | | | | | | 7.7 | 5.1 |
| SSW | | | 1.1 | | | | | | | | | 10.2 | 5.2 |
| SW | | | 4.7 | | | | | | | | | 13.7 | 5.5 |
| WSW | | | 6.4 | 1.1 | | | | | | | | 16.2 | 6.3 |
| W | | 1.1 | 6.4 | 2.5 | .7 | | | | | | | 24.9 | 6.4 |
| WNW | | 1.1 | 1.1 | 1.1 | | | | | | | | 5.2 | 7.1 |
| NW | | 2.5 | 1.1 | | | | | | | | | 4.7 | 5.8 |
| NNW | | | | | | | | | | | | .4 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.9 | |
| | 1.1 | 41.2 | 25.5 | 5.7 | 1.1 | | | | | | | 100.0 | 6.3 |

NUMBER OF OBSERVATIONS

277

SMOS

1
2

NAVAL WEATHER SERVICE
1100 HOURS
ADVISORY ONLY

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: A. J. A. STATION NAME: 17-47 YEARS: 1957
 CLASS: LL LATHES
 CONDITION: _____
 COT: NORTH
 10
 HOURS: 11 57

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 3.7 |
| NNE | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 3.5 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 3.6 |
| ENE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 5.6 |
| ESE | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 7.0 |
| SE | 0 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.5 | 6.5 |
| SSE | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.4 | 5.1 |
| S | 0 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.2 | 5.3 |
| SSW | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.1 | 5.5 |
| SW | 0 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.0 | 6.2 |
| WSW | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.0 | 6.1 |
| W | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.7 | 7.2 |
| WNW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 4.5 |
| NW | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.6 | 7.3 |
| NNW | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 5.4 |
| VARBL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CALM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 0 |
| | 0 | 36 | 21 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 203

SMOS

2

NATIONAL WEATHER SERVICE
CLIMATE DIVISION
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE STATION NUMBER: 17-1
CLIMATE CLASS: 1
CONDITION: 1
TOTAL NUMBER OF OBSERVATIONS: 200

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.0 | 1.0 | 1.4 | | | | | | | | 6.0 | 7.9 |
| NNE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 7.5 |
| NE | | | 1.0 | 1.0 | | | | | | | | 2.0 | 5.0 |
| ENE | | 1.0 | 1.0 | 1.0 | | | | | | | | 3.0 | 6.0 |
| E | | | 1.0 | 1.0 | 1.0 | | | | | | | 3.0 | 7.8 |
| ESE | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 4.0 | 9.1 |
| SE | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 5.0 | 9.6 |
| SSE | | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.0 | 9.1 |
| S | | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.0 | 9.6 |
| SSW | | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.0 | 9.8 |
| SW | | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.0 | 9.7 |
| WSW | | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.0 | 11.6 |
| W | | | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | | | | | 10.0 | 15.5 |
| WNW | | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 12.0 | 12.5 |
| NW | | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 8.0 | 11.6 |
| NNW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 8.0 | 7.2 |
| VARBL | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.0 | 1.0 | 4.0 | 31.0 | 7.5 | 2.0 | | | | | | 10.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

2

STATION NAME
STATION NUMBER
DATE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: STATION NAME STATION NUMBER: STATION NUMBER DATE: DATE

ALL WEATHER CLASS: ALL WEATHER CLASS

CONDITION: CONDITION

DEF: DEF MONTH: MONTH HOURS: HOURS

| SPEED (KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | | | | | | | | | | | | | |
| NNE | | | | | | | | | | | | | |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| ESE | | | | | | | | | | | | | |
| SE | | | | | | | | | | | | | |
| SSE | | | | | | | | | | | | | |
| S | | | | | | | | | | | | | |
| SSW | | | | | | | | | | | | | |
| SW | | | | | | | | | | | | | |
| WSW | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | |
| WNW | | | | | | | | | | | | | |
| NW | | | | | | | | | | | | | |
| NNW | | | | | | | | | | | | | |
| VABDL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 35.7 | 27.1 | 14.1 | 4.0 | .7 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 277

SMOS

1
2

STATION NAME
STATION NUMBER
STATION LOCATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
STATION NUMBER

DATE

YEARS

DEG
DONT

ALL WEATHER
CLASS

74
HOURS IN DAY

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | 0.5 | 6.5 |
| NNE | | | | | | | | | | | | 0.5 | 2.5 |
| NE | | | | | | | | | | | | 0.5 | 2.5 |
| ENE | | | | | | | | | | | | 0.5 | 2.5 |
| E | | | | | | | | | | | | 1.4 | 8.5 |
| ESE | | | | | | | | | | | | 0.5 | 2.5 |
| SE | | | | | | | | | | | | 0.5 | 7.5 |
| SSE | | | | | | | | | | | | 2.1 | 4.5 |
| S | | | | | | | | | | | | 9.4 | 4.5 |
| SSW | | | | | | | | | | | | 15.7 | 6.5 |
| SW | | | | | | | | | | | | 11.5 | 5.7 |
| WSW | | | | | | | | | | | | 17.2 | 7.1 |
| W | | | | | | | | | | | | 28.1 | 9.5 |
| WNW | | | | | | | | | | | | 9.7 | 11.3 |
| NW | | | | | | | | | | | | 4.5 | 3.2 |
| NNW | | | | | | | | | | | | 2.4 | 9.0 |
| VARBL | | | | | | | | | | | | 2.4 | |
| CALM | | | | | | | | | | | | 2.4 | |
| | 10.2 | 5.5 | 27.4 | 14.2 | 3.5 | 1.4 | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS

248

SMOS

NAVY WEATHER SERVICE
PACIFIC PACIFIC
HONOLULU, HAWAII

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME NAVAL AIR STATION STATION NAME NAVAL AIR STATION YEARS 1951-1952

CLASS ALL WEATHER

CONDITION ALL WEATHER

STATION NAVAL AIR STATION STATION NAME NAVAL AIR STATION YEARS 1951-1952

CLASS ALL WEATHER

CONDITION ALL WEATHER

STATION NAVAL AIR STATION STATION NAME NAVAL AIR STATION YEARS 1951-1952

CLASS ALL WEATHER

CONDITION ALL WEATHER

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | | | | | | | | | | | 1.0 | 15.3 |
| NNE | | | | | | | | | | | | 0.7 | 4.8 |
| NE | | | | | | | | | | | | 0.3 | 4.0 |
| ENE | | | | | | | | | | | | 0.3 | 2.5 |
| E | | | | | | | | | | | | 0.3 | 2.5 |
| ESE | | | | | | | | | | | | 0.7 | 5.5 |
| SE | | | | | | | | | | | | 0.7 | 4.8 |
| SSE | | | | | | | | | | | | 0.7 | 4.8 |
| S | | | | | | | | | | | | 6.7 | 6.7 |
| SSW | | | | | | | | | | | | 15.1 | 5.6 |
| SW | | | | | | | | | | | | 15.7 | 6.6 |
| WSW | | | | | | | | | | | | 14.1 | 7.6 |
| W | | | | | | | | | | | | 25.0 | 11.6 |
| WNW | | | | | | | | | | | | 14.1 | 11.5 |
| NW | | | | | | | | | | | | 3.1 | 7.6 |
| NNW | | | | | | | | | | | | 3.1 | 7.6 |
| VARBL | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 7.0 | 2.0 | 35.4 | 20.3 | 4.1 | 1.0 | .3 | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 201

SMOS

1
2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ALL PLATE CLASS: ALL PLATE YEARS: 1950-1951

STATION: 10 DEC: 10

CONDITION: ALL PLATE

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 2.0 | 0.7 | | | | | | | | | 3.01 | 5.3 |
| NNE | | | | | | | | | | | | 0.3 | 1.0 |
| NE | | | | | | | | | | | | | |
| ENE | | | | | | | | | | | | | |
| E | | | | | | | | | | | | 0.3 | 3.0 |
| ESE | | | | | | | | | | | | 0.3 | 22.5 |
| SE | | | | | | | | | | | | 0.3 | 3.0 |
| SSE | | | | | | | | | | | | 0.7 | 4.5 |
| S | | | | | | | | | | | | 6.5 | 7.5 |
| SSW | | | | | | | | | | | | 4.4 | 7.2 |
| SW | | | | | | | | | | | | 3.1 | 6.1 |
| WSW | | | | | | | | | | | | 0.6 | 0.6 |
| W | | | | | | | | | | | | 11.0 | 13.3 |
| WNW | | | | | | | | | | | | 24.0 | 11.7 |
| NW | | | | | | | | | | | | 3.6 | 7.6 |
| NNW | | | | | | | | | | | | 3.7 | 6.5 |
| VARBL | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | | |
| | 0.4 | 2.0 | 6.0 | 3.3 | 1.2 | 2.7 | 0.3 | 0.3 | | | | 100.0 | 10.6 |

TOTAL NUMBER OF OBSERVATIONS: 204

SMOS

IN
2

STATION NAME
STATION NUMBER
STATION LOCATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

ALL DATA
CLASS

DATE
MONTH
1
HOURS 11 31

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.1 | 1.0 | 0.1 | | | | | | | | | 1.1 | 4.0 |
| NNE | 0.1 | 0.1 | | | | | | | | | | 0.2 | 4.3 |
| NE | 0.1 | 0.1 | | | | | | | | | | 0.2 | 5.5 |
| ENE | 0.1 | 0.1 | | | | | | | | | | 0.2 | 6.2 |
| E | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | | | 0.5 | 7.2 |
| ESE | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | | | 0.5 | 8.0 |
| SE | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | | | 0.5 | 8.3 |
| SSE | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | | | 0.5 | 7.0 |
| S | 0.1 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.1 | 7.5 |
| SSW | 0.1 | 1.0 | 2.0 | 0.7 | | | | | | | | 3.8 | 7.6 |
| SW | 0.1 | 1.0 | 1.0 | 1.0 | | | | | | | | 3.1 | 7.4 |
| WSW | 0.1 | 1.0 | 1.0 | 2.0 | 0.3 | | | | | | | 6.0 | 9.8 |
| W | 0.1 | 1.0 | 1.0 | 12.0 | 7.0 | 0.7 | | | | | | 16.8 | 12.0 |
| WNW | 0.1 | 2.0 | 7.0 | 12.0 | 2.1 | 0.7 | | | | | | 24.7 | 11.7 |
| NW | 0.1 | 1.0 | 0.1 | 2.0 | | | | | | | | 11.4 | 8.4 |
| NNW | 0.1 | 1.0 | 1.0 | 0.7 | | | | | | | | 3.8 | 6.8 |
| VARBL | | | | | | | | | | | | 1.0 | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.0 | 10.4 | 32.0 | 34.2 | 5.0 | 1.4 | | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS

262

SMOS

2

NAVAL WEATHER SERVICE
JAGC PANGLOSS
ARLINGTON, VA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: JAGC PANGLOSS STATION NAME: JAGC PANGLOSS
CLASS: ALL WEATHER
YEAR: 72-73
MONTH: 19
HOURS: 11 5 T
CONDITION:

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | 1.1 | | | | | | | | | | | 1.7 | 4.8 |
| NNE | | | | | | | | | | | | .7 | 2.0 |
| NE | | | | | | | | | | | | .7 | 20.0 |
| ENE | | | | | | | | | | | | .7 | 15.0 |
| E | | | | | | | | | | | | .3 | 4.5 |
| ESE | | | | | | | | | | | | .7 | 14.0 |
| SE | | | | | | | | | | | | .7 | 4.0 |
| SSE | | | | | | | | | | | | .7 | 5.1 |
| S | | 1.2 | | | | | | | | | | 2.4 | 5.8 |
| SSW | | 4.1 | 2.4 | .3 | | | | | | | | 6.6 | 5.3 |
| SW | | 2.1 | 2.4 | .7 | .3 | | | | | | | 6.7 | 6.8 |
| WSW | 1.1 | .7 | 1.7 | 1.4 | | | | | | | | 10.3 | 7.0 |
| W | .1 | 6.7 | 11.7 | 4.6 | 1.7 | .7 | .3 | | | | | 33.4 | 9.1 |
| WNW | | 4.5 | 5.7 | 1.7 | 1.7 | | | | | | | 15.0 | 7.6 |
| NW | | 1.4 | 1.7 | 2.1 | | | | | | | | 5.0 | 8.0 |
| NNW | | | | | | | | | | | | 1.4 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.0 | 26.4 | 30.3 | 14.2 | 7.0 | .7 | .3 | | | | | 10.7 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 101

SMOS

SNUG

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: 73-92
STATION: 73-92
CLASS: ALL WEATHER
CONDITION:
DEC: 1967
ALL
HOURS: 11 5 1

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.7 | 5.3 |
| NNE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 5.3 |
| NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 8.2 |
| ENE | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 7.5 |
| E | .0 | .0 | .0 | .0 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .7 | 9.6 |
| ESE | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 6.9 |
| SE | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 6.8 |
| SSE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.6 | 4.7 |
| S | .0 | .0 | .0 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.7 | 5.9 |
| SSW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 9.6 | 5.9 |
| SW | 1.0 | 4.0 | 7.4 | .6 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 9.3 | 6.3 |
| WSW | 1.2 | 4.1 | 4.4 | .0 | .7 | .1 | .0 | .0 | .0 | .0 | .0 | 12.2 | 7.7 |
| W | .0 | 1.5 | 5.6 | 6.5 | 2.2 | .5 | .1 | .0 | .0 | .0 | .0 | 30.5 | 9.9 |
| WNW | .1 | .0 | 4.5 | .1 | 1.6 | .3 | .0 | .0 | .0 | .0 | .0 | 15.6 | 10.2 |
| NW | .0 | 1.0 | 2.1 | 1.0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 5.4 | 8.4 |
| NNW | .4 | .0 | .0 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.7 | 7.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.3 | |
| | 11.0 | 20.1 | 20.0 | 20.1 | 4.6 | 1.1 | .1 | .0 | .0 | .0 | .0 | 170.0 | .1 |

TOTAL NUMBER OF OBSERVATIONS 2712

SMOS

2

NAVAL WEATHER SERVICE
DEPARTMENT OF THE NAVY
ADRIAN, GUAM

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ADRIAN, GUAM STATION NAME: ADRIAN, GUAM YEARS: 1951-1952

ALL MONTH ALL

ALL WEATHER

CLASS

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.4 | 5.3 |
| NNE | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 5.5 |
| NE | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 6.4 |
| ENE | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 2.3 | 7.1 |
| E | .1 | 5.1 | 2.0 | 1.8 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | 7.8 | 8.0 |
| ESE | .0 | 2.0 | 2.0 | 2.4 | .4 | .1 | .0 | .0 | .0 | .0 | .0 | 6.7 | 9.1 |
| SE | .0 | 1.0 | 1.0 | 1.8 | .5 | .0 | .0 | .0 | .0 | .0 | .0 | 5.7 | 8.4 |
| SSE | .0 | 1.0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.1 | 5.3 |
| S | .0 | 2.1 | 1.0 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.1 | 5.9 |
| SSW | .1 | 7.0 | 2.0 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.6 | 5.9 |
| SW | .0 | 8.0 | 2.0 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 8.1 | 6.6 |
| WSW | 1.0 | 5.0 | 2.0 | 1.6 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | 6.4 | 8.3 |
| W | .0 | 2.0 | 4.1 | 4.5 | 1.6 | .4 | .1 | .0 | .0 | .0 | .0 | 16.7 | 9.6 |
| WNW | .0 | 1.0 | 2.0 | 7.0 | 1.2 | .4 | .0 | .0 | .0 | .0 | .0 | 9.9 | 10.9 |
| NW | .0 | .0 | 1.0 | 1.4 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | 4.6 | 9.1 |
| NNW | .0 | .0 | .0 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.5 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.1 | |
| | 1.0 | 2.0 | 28.2 | 19.1 | 4.9 | 1.1 | .2 | .0 | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 2636

SMOS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: JAFB, JAPAN
INSTRUMENT: SIV
CLASS: 10-1400 FT < VSBY 1/2 MI OR MORE
CONDITION: AS FOR VSBY 1/2 TO 2-1/2 MI < 1000 FT OR MORE
STATION: JAFB
YEARS: 1954-1955
ALL MONTH
ALL
HOURS: ALL

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | . | . | . | .4 | . | . | .1 | . | . | . | . | 2.7 | 6.7 |
| NNE | . | 1.1 | . | .7 | .1 | . | . | . | . | . | . | 3.1 | 5.4 |
| NE | . | 1.1 | . | .5 | .2 | .1 | . | . | . | . | . | 1.3 | 7.8 |
| NNE | . | 1.1 | 1. | 1.7 | .3 | .1 | . | . | . | . | . | 5.6 | 8.6 |
| E | 7. | 2. | 2. | 6.5 | 1.4 | .5 | . | . | . | . | . | 17.6 | 9.6 |
| ESE | 1. | 2. | 2. | .5 | 1.6 | .3 | . | . | . | . | . | 13.2 | 15.3 |
| SE | . | 2. | 2. | 2.4 | .6 | .1 | . | . | . | . | . | 7.4 | 7.4 |
| SSE | . | 1. | . | .1 | . | . | . | . | . | . | . | 3.3 | 6.1 |
| S | . | . | . | . | . | . | . | . | . | . | . | 1.1 | 4.4 |
| SSW | . | . | . | . | . | . | . | . | . | . | . | 1. | 4.3 |
| SW | . | . | .1 | .1 | .2 | . | . | . | . | . | . | 1.1 | 4.3 |
| WSW | . | .1 | 1.2 | .4 | .2 | . | . | . | . | . | . | 3.3 | 6.7 |
| W | . | 2.1 | 2. | 7.2 | 1.1 | .7 | .1 | . | . | . | . | 11.1 | 11.1 |
| WNW | . | 1. | 1.2 | 1. | .2 | .1 | .2 | . | . | . | . | 5. | 12.4 |
| NW | . | . | . | .2 | .1 | . | . | . | . | . | . | 2.1 | 7.9 |
| NNW | . | . | . | .7 | .1 | . | . | . | . | . | . | 2.1 | 6.7 |
| VARBL | . | . | . | . | . | . | . | . | . | . | . | 4.7 | |
| CALM | . | . | . | . | . | . | . | . | . | . | . | 4.7 | |
| | 1.1 | 23.7 | 24.7 | 22.3 | 7.0 | 1.4 | .3 | .7 | . | . | . | 10.1 | .5 |

TOTAL NUMBER OF OBSERVATIONS 4246

1. Name of the station
2. Locality, No.

PART D

CEILING VERSUS VISIBILITY

1. Name of the station
2. Locality, No.
3. Date of observation
4. Time of day
5. Name of the observer
6. Name of the recorder
7. Name of the collector
8. Name of the reviewer
9. Name of the checker
10. Name of the supervisor
11. Name of the director
12. Name of the chief of the office
13. Name of the chief of the bureau
14. Name of the chief of the department
15. Name of the chief of the division
16. Name of the chief of the section
17. Name of the chief of the subsection
18. Name of the chief of the subsubsection
19. Name of the chief of the subsubsubsection
20. Name of the chief of the subsubsubsubsection

1. Name of the station
2. Locality, No.
3. Date of observation
4. Time of day
5. Name of the observer
6. Name of the recorder
7. Name of the collector
8. Name of the reviewer
9. Name of the checker
10. Name of the supervisor
11. Name of the director
12. Name of the chief of the office
13. Name of the chief of the bureau
14. Name of the chief of the department
15. Name of the chief of the division
16. Name of the chief of the section
17. Name of the chief of the subsection
18. Name of the chief of the subsubsubsection

1. Name of the station
2. Locality, No.
3. Date of observation
4. Time of day
5. Name of the observer
6. Name of the recorder
7. Name of the collector
8. Name of the reviewer
9. Name of the checker
10. Name of the supervisor
11. Name of the director
12. Name of the chief of the office
13. Name of the chief of the bureau
14. Name of the chief of the department
15. Name of the chief of the division
16. Name of the chief of the section
17. Name of the chief of the subsection
18. Name of the chief of the subsubsubsection

1. Name of the station
2. Locality, No.
3. Date of observation
4. Time of day
5. Name of the observer
6. Name of the recorder
7. Name of the collector
8. Name of the reviewer
9. Name of the checker
10. Name of the supervisor
11. Name of the director
12. Name of the chief of the office
13. Name of the chief of the bureau
14. Name of the chief of the department
15. Name of the chief of the division
16. Name of the chief of the section
17. Name of the chief of the subsection
18. Name of the chief of the subsubsubsection

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|---|---|---|---|---|---|---|-------|---|-------|-------|---|-----|-----|-------|
| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 3/4 |
| 1500 | | | | | | | | | | | | | | | | 92.6 |
| 1200 | | | | | | | | | | | | | | | | 95.4 |
| 900 | | | | | | | | | | | | | | | | 96.9 |
| 600 | | | | | | | | | | | | | | | | 98.1 |
| 300 | | | | | | | | | | | | | | | | 99.4 |
| 0 | | | | | | | | | | | | | | | | 100.0 |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 1: Values below minimum stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 2: To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

If the tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

Note: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

Note: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| OKTAS | TENTHS |
|-----------------|--------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

Note: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.
MILES

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 0 | 4 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ≥ 20000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5000 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4000 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3000 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2000 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1400 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1200 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1000 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 900 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 700 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 400 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 200 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

TOTAL NUMBER OF OBSERVATIONS

21

CEILING (FEET)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

GROUP 1, 2, 3, 4

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|------|-------|------|-------|------|------|------|------|-------|------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ 0 |
| NO CEILING | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 70000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 60000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 50000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 40000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 30000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 20000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 10000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 9000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 8000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 7000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 6000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 5000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 4500 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 4000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 3500 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 3000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 2500 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 2000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 1800 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 1500 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 1200 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 1000 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 900 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 800 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 700 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 600 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 500 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 400 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 300 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 200 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 100 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| ≥ 0 | 0.1 | 0.7 | 1.7 | 4.1 | 10.0 | 20.0 | 31.9 | 38.9 | 33.0 | 31.0 | 30.0 | 3.0 | 3.0 | 3.0 | 2.0 |

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE: MET

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|------|------|------|-------|------|-------|------|------|------|------|-------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .1 | ≥ 0 |
| NO CEILING | ... | ... | 31.5 | 31.1 | 7.7 | 2.3 | 31.5 | 31.6 | 31.7 | 32.4 | 32.9 | 32.9 | 32.5 | 73.0 | 33.0 | 33.0 |
| ≥ 20000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 18000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 16000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 14000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 12000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 10000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 9000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 8000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 7000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 6000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 5000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 4500 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 4000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 3500 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 3000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 2500 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 2000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 1800 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 1500 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 1200 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 1000 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 900 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 800 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 700 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 600 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 500 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 400 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 300 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 200 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 100 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 0 | ... | ... | 29.1 | 29.4 | 21.2 | 15.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |

TOTAL NUMBER OF OBSERVATIONS 273

DATE: 11/11/11

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

MONTH

HOURLY U.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 20000 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 18000 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 16000 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 14000 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 12000 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 10000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 9000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 8000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| ≥ 7000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| ≥ 6000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| ≥ 5000 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 4500 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 4000 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 3500 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 3000 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| ≥ 2500 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| ≥ 2000 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| ≥ 1800 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| ≥ 1500 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 1200 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 1000 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 900 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 800 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 700 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 600 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 500 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 400 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 300 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 200 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 100 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 0 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |

TOTAL NUMBER OF OBSERVATIONS

IRVINGDALEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV 1951

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 20000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 18000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 16000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 14000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 12000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 10000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 9000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 8000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 7000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 6000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 5000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 4500 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 4000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 3500 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 3000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 2500 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 2000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 1800 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 1600 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 1400 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 1200 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 1000 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 900 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 800 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 700 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 600 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 500 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 400 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 300 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 200 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 100 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |

TOTAL NUMBER OF OBSERVATIONS

71

DISPLACEMENT

0.00

NO. 1 WEATHER SERVICE FORM NO. 10-1 (10-6-60)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 20000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 18000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 16000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 14000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 12000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 10000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 9000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 8000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 7000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 6000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 5000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 4500 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 4000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 3500 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 3000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 2500 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 2000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 1800 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 1500 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 1200 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 1000 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 900 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 800 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 700 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 600 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 500 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 400 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 300 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 200 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 100 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| IN 0 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |

TOTAL NUMBER OF OBSERVATIONS 28

DIRNAVCEANMET SMUS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | 1.0 | 75.0 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 20000 | 75.0 | 75.0 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 18000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 16000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 14000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 12000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 10000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 9000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 8000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 7000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 6000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 5000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 4500 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 4000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 3500 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 3000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 2500 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 2000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 1800 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 1500 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 1200 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 1000 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 900 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 800 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 700 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 600 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 500 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 400 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 300 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 200 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 100 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| IV 0 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVCEANMET 5MUS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE, PEARL HARBOR, HAWAII

STATION

STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| ≥ 20000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 18000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 16000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 14000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 12000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 10000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 9000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 8000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 7000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 6000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 5000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 4500 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 4000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 3500 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 3000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 2500 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 2000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 1800 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 1500 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 1200 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 1000 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 900 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 800 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 700 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 600 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 500 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 400 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 300 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 200 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 100 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRNAVCEANMET 5MOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

JA
MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS 1.5

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|-------|--------|--------|-------|--------|---------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| NO CEILING | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 |
| ≥ 20000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 18000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 16000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 14000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 12000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 10000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 8000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 6000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 5000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 4500 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 4000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 3500 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 3000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 2500 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 2000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 1800 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 1600 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 1400 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 1200 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 1000 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 900 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 800 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 700 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 600 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 500 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 400 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 300 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 200 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 100 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 0 | 24.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |

TOTAL NUMBER OF OBSERVATIONS

705

DIRNAVCEANMET SMOS

$$A_{\alpha}^{\beta} = A^{\beta}(\alpha) = \frac{1}{2}(\delta_{\alpha}^{\beta} + \delta_{\alpha}^{\beta}) = \delta_{\alpha}^{\beta} \quad \text{for } \alpha, \beta \in \mathbb{N} \text{ and } \alpha \neq \beta, \quad A_{\alpha}^{\alpha} = A^{\alpha}(\alpha) = \frac{1}{2}(\delta_{\alpha}^{\alpha} + \delta_{\alpha}^{\alpha}) = \delta_{\alpha}^{\alpha} = 1.$$

1.
HOURS: 1 3 7

1.
NOV 25 1977

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOC EANNET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 70000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 18000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 16000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 14000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 12000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 10000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 9000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 8000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 7000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 6000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 5000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 4500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 4000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 3500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 3000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 2500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 2000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 900 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 700 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS 244

DISPATCH/ANALYST: [blank]

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

JAN
MARCH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 50.7 | 35.7 | 25.7 | 15.7 | 5.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 20000 | 50.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 18000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 16000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 14000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 12000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 10000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 9000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 8000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 7000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 6000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 5000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 4500 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 4000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 3500 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 3000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 2500 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 2000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 1800 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 1500 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 1200 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 1000 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 900 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 800 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 700 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 600 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 500 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 400 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 300 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 200 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 100 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 0 | 40.7 | 35.7 | 35.7 | 35.7 | 35.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 |
| NO CEILING | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥ 20000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 18000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 16000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 14000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 12000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 10000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 9000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 8000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 7000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 6000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 5000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 4500 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 4000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 3500 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 3000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 2500 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 2000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 1800 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 1600 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 1400 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 1200 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 1000 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 900 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 800 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 700 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 600 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 500 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 400 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 300 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 200 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 100 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 0 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |

TOTAL NUMBER OF OBSERVATIONS 74

DISPATCH UNIT 5MUS

NEW WEATHER STATION REPORT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

UNIT

MONTH

DAY

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 20000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 1500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| IN 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS

DIRECTION AND SPEED

CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME: YEARS: FEET MONTH: HOURS: 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|--------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|---------|-----|-------|-------|-------|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 70000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS: 276

DRY-BOUCEANMET SMUS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

FEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|-------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ 0 | ≥ 0 |
| NO CEILING | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| ≥ 20000 | 64.6 | 44.6 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 18000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 16000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 14000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 12000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 10000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 9000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 8000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 7000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 6000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 5000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 4500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 4000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 3500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 3000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 2500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 2000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 1800 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 1500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 1200 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 1000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 900 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 800 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 700 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 600 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 500 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 400 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 300 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 200 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 100 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 0 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |

TOTAL NUMBER OF OBSERVATIONS 27

DIRNAVCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 1.4 | 10.6 | 37.2 | 71.3 | 81.5 | 71.6 | 31.9 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 1.7 | 71.7 | 31.7 |
| ≥ 70000 | 2.4 | 16.4 | 37.3 | 71.8 | 81.1 | 55.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 |
| ≥ 18000 | 2.4 | 17.4 | 37.8 | 71.3 | 81.0 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| ≥ 16000 | 3.4 | 37.6 | 37.8 | 37.5 | 38.2 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 |
| ≥ 14000 | 3.4 | 38.4 | 38.8 | 39.3 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 12000 | 3.4 | 41.2 | 41.6 | 41.1 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 10000 | 3.4 | 41.6 | 42.1 | 42.5 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 9000 | 3.4 | 42.2 | 42.6 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥ 8000 | 3.4 | 44.0 | 44.4 | 44.7 | 45.3 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 7000 | 3.4 | 44.6 | 45.0 | 45.6 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 6000 | 3.4 | 44.7 | 45.2 | 45.8 | 46.2 | 46.2 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 5000 | 3.4 | 47.1 | 47.7 | 48.2 | 48.6 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| ≥ 4500 | 3.4 | 47.3 | 47.9 | 48.5 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 4000 | 3.4 | 51.3 | 51.8 | 52.4 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 3500 | 3.4 | 51.3 | 51.8 | 52.4 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 3000 | 3.4 | 51.3 | 51.8 | 52.4 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 2500 | 3.4 | 67.4 | 67.9 | 70.2 | 71.8 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| ≥ 2000 | 3.4 | 72.4 | 74.9 | 77.2 | 80.5 | 81.2 | 81.4 | 82.5 | 82.8 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 1800 | 3.4 | 72.5 | 74.9 | 77.3 | 80.6 | 81.2 | 81.5 | 82.5 | 82.9 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 1500 | 3.4 | 73.5 | 76.7 | 79.5 | 83.1 | 84.3 | 84.8 | 86.3 | 86.8 | 87.2 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 1200 | 3.4 | 73.9 | 76.7 | 79.8 | 83.7 | 84.8 | 85.2 | 86.8 | 87.3 | 87.7 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 1000 | 3.4 | 74.2 | 77.2 | 80.2 | 84.6 | 86.1 | 86.8 | 88.6 | 89.6 | 90.2 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 900 | 3.4 | 74.2 | 77.3 | 80.3 | 84.7 | 86.2 | 86.9 | 88.7 | 89.7 | 90.3 | 91.5 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 800 | 3.4 | 74.3 | 77.4 | 80.5 | 85.1 | 86.6 | 87.6 | 89.1 | 90.1 | 91.8 | 92.7 | 93.1 | 93.2 | 93.4 | 93.5 | 93.5 |
| ≥ 700 | 3.4 | 74.3 | 77.5 | 80.6 | 85.1 | 86.7 | 87.9 | 89.6 | 90.6 | 92.4 | 93.4 | 93.9 | 94.1 | 94.3 | 94.4 | 94.4 |
| ≥ 600 | 3.4 | 74.4 | 77.5 | 80.6 | 85.4 | 86.9 | 88.1 | 91.3 | 92.3 | 93.3 | 94.5 | 95.1 | 95.4 | 95.7 | 95.8 | 95.8 |
| ≥ 500 | 3.4 | 74.4 | 77.5 | 80.6 | 85.4 | 86.9 | 88.3 | 91.6 | 92.9 | 93.9 | 95.4 | 96.3 | 96.8 | 97.3 | 97.8 | 98.0 |
| ≥ 400 | 3.4 | 74.5 | 77.7 | 80.8 | 85.6 | 87.3 | 89.7 | 92.1 | 93.3 | 94.5 | 96.2 | 96.8 | 97.3 | 97.8 | 98.0 | 98.0 |
| ≥ 300 | 3.4 | 74.5 | 77.7 | 80.8 | 85.6 | 87.4 | 89.9 | 92.3 | 93.6 | 94.9 | 96.8 | 97.6 | 98.1 | 98.9 | 99.1 | 99.2 |
| ≥ 200 | 3.4 | 74.5 | 77.7 | 80.8 | 85.6 | 87.4 | 89.9 | 92.3 | 93.6 | 94.9 | 96.9 | 97.6 | 98.2 | 99.2 | 99.5 | 99.5 |
| ≥ 100 | 3.4 | 74.5 | 77.7 | 80.8 | 85.6 | 87.4 | 89.9 | 92.4 | 93.7 | 95.0 | 96.9 | 97.8 | 98.4 | 99.4 | 99.7 | 100.0 |
| ≥ 0 | 3.4 | 74.5 | 77.7 | 80.8 | 85.6 | 87.4 | 89.9 | 92.4 | 93.7 | 95.0 | 96.9 | 97.8 | 98.4 | 99.4 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2159

[illegible]

740

NOTES

●

MOVIES 111

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE, FLEET AIRCRAFT, WHEEL HILL, MD

STATION

STATION NAME

YEARS

U.S. NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| ≥ 20000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 18000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 16000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 14000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 12000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 10000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 9000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 8000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 7000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 6000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 5000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 4500 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 4000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 3500 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 3000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 2500 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 2000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 1800 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 1500 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 1200 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 1000 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 900 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 800 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 700 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 600 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 500 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 400 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 300 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 200 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 100 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 0 | 47.4 | 47.7 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |

TOTAL NUMBER OF OBSERVATIONS 293

DIRNAVOCEANMET SMOS

NASA WEATHER SERVICE DETACHMENT ANDVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ANDVILLE STATION NUMBER: 70-40 YEARS: 1961-1962 MONTH: 1 HOURS: 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 1.0 | 34.2 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| ≥ 20000 | 1.0 | 43.6 | 45.7 | 45.3 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 18000 | 1.0 | 44.0 | 45.3 | 45.6 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| ≥ 16000 | 1.0 | 44.3 | 45.6 | 46.0 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 14000 | 1.0 | 44.6 | 45.9 | 46.3 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| ≥ 12000 | 1.0 | 44.9 | 46.2 | 46.6 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| ≥ 10000 | 1.0 | 45.2 | 46.5 | 46.9 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| ≥ 9000 | 1.0 | 45.5 | 46.8 | 47.2 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| ≥ 8000 | 1.0 | 45.8 | 47.1 | 47.5 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥ 7000 | 1.0 | 46.1 | 47.4 | 47.8 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| ≥ 6000 | 1.0 | 46.4 | 47.7 | 48.1 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥ 5000 | 1.0 | 46.7 | 48.0 | 48.4 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| ≥ 4500 | 1.0 | 47.0 | 48.3 | 48.7 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 4000 | 1.0 | 47.3 | 48.6 | 49.0 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 3500 | 1.0 | 47.6 | 48.9 | 49.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥ 3000 | 1.0 | 47.9 | 49.2 | 49.6 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| ≥ 2500 | 1.0 | 48.2 | 49.5 | 49.9 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥ 2000 | 1.0 | 48.5 | 49.8 | 50.2 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 1800 | 1.0 | 48.8 | 50.1 | 50.5 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| ≥ 1600 | 1.0 | 49.1 | 50.4 | 50.8 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥ 1400 | 1.0 | 49.4 | 50.7 | 51.1 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| ≥ 1200 | 1.0 | 49.7 | 51.0 | 51.4 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 1000 | 1.0 | 50.0 | 51.3 | 51.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 900 | 1.0 | 50.3 | 51.6 | 52.0 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| ≥ 800 | 1.0 | 50.6 | 51.9 | 52.3 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| ≥ 700 | 1.0 | 50.9 | 52.2 | 52.6 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| ≥ 600 | 1.0 | 51.2 | 52.5 | 52.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 500 | 1.0 | 51.5 | 52.8 | 53.2 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 400 | 1.0 | 51.8 | 53.1 | 53.5 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 300 | 1.0 | 52.1 | 53.4 | 53.8 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| ≥ 200 | 1.0 | 52.4 | 53.7 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥ 100 | 1.0 | 52.7 | 54.0 | 54.4 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 0 | 1.0 | 53.0 | 54.3 | 54.7 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |

TOTAL NUMBER OF OBSERVATIONS: 100

DIRNAVOCEANMET SMUS

CEILING VERSUS VISIBILITY

NATIONAL WEATHER SERVICE - STATION NAME

STATION

STATION NAME

YEAR

MONTH

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|---------|---------|---------|------|-------|-------|------|
| | ≥ 10 | ≥ 9 | ≥ 8 | ≥ 7 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 1/8 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 0 |
| NO CEILING | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| ≥ 20000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 18000 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| ≥ 16000 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| ≥ 14000 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| ≥ 12000 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| ≥ 10000 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 9000 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| ≥ 8000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 7000 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| ≥ 6000 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 5000 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| ≥ 4500 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥ 4000 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥ 3500 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| ≥ 3000 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 2500 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 2000 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥ 1800 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 1500 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥ 1200 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| ≥ 1000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 900 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 800 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 700 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| ≥ 600 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 500 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 400 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| ≥ 300 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| ≥ 200 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| ≥ 100 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 0 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |

TOTAL NUMBER OF OBSERVATIONS

248

DIRNAVOCEANMET SMOS

U.S. WEATHER SERVICE DETACHMENT ASHKEWILL, MO

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

W.D.
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ 1 | ≥ ½ | ≥ ½ | ≥ ½ | ≥ ½ | ≥ ½ | ≥ 0 |
| NO CEILING | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 20000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| > 18000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 16000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 14000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 12000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 10000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 9000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 8000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 7000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 6000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 5000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 4500 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 4000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 3500 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 3000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 2500 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 2000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 1800 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 1500 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 1200 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 1000 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 900 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 800 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 700 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 600 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 500 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 400 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 300 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 200 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 100 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |
| ≥ 0 | 2.4 | 15.1 | 37.1 | 56.5 | 76.1 | 86.5 | 91.3 | 95.7 | 97.7 | 98.3 | 98.7 | 99.0 | 99.3 | 99.5 | 99.7 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

9

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOVEMBER 1957

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 |
| NO CEILING | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 20000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 18000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 16000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 14000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 12000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 10000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 9000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 8000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 7000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 6000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 5000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 4500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 4000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 3500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 3000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 2500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 2000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 1800 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 1600 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 1400 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 1200 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 1000 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 900 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 800 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 700 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 600 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 500 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 400 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 300 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 200 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 100 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 0 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |

TOTAL NUMBER OF OBSERVATIONS 101

DIPNAVJCEANMET SMUS

NAVAL WEATHER SERVICE STATION NAME

CEILING VERSUS VISIBILITY

STATION

4000

STATION NAME

7500

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE 1.87

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ¾ | ≥ 0 |
| NO CEILING | 37.2 | 37.2 | 37.2 | 37.2 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 20000 | 47.2 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 18000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 16000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 14000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 12000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 10000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 9000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 8000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 7000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 6000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 5000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 4500 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 4000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 3500 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 3000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 2500 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 2000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 1800 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 1500 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 1200 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 1000 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 900 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 800 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 700 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 600 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 500 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 400 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 300 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 200 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 100 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| IV 0 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 70000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 18000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 14000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 14000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 12000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 10000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 9000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 8000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 7000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 6000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 5000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 4500 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 4000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 3500 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 3000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 2500 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 2000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 1800 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 1500 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 1700 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 1000 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 900 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 800 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 700 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 600 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 500 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 400 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 300 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 200 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 100 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |
| ≥ 0 | 1.1 | 4.2 | 4.4 | 4.5 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 277

DURNAVCEANMET 5MOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|-------|--------|--------|-------|--------|---------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0 |
| NO CEILING | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 20000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 18000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 16000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 14000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 12000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 10000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 9000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 8000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 7000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 6000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 5000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 4500 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 4000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 3500 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 3000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 2500 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 2000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 1800 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 1600 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 1400 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 1200 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 1000 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 900 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 800 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 700 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 600 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 500 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 400 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 300 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 200 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 100 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |

TOTAL NUMBER OF OBSERVATIONS 2303

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|------|------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ 0 |
| NO CEILING | 76.7 | 51.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| ≥ 20000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 18000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 16000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 14000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 12000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 10000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 9000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 8000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 7000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 6000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 5000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 4500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 4000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 3500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 3000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 2500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 2000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1800 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1200 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 1000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 900 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 800 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 700 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 600 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 500 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 400 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 300 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 200 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 100 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 0 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |

TOTAL NUMBER OF OBSERVATIONS

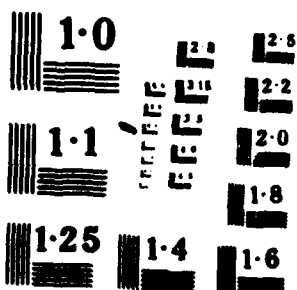
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
FOR MISAWA JAPAN(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC MAR 85

UNCLASSIFIED

F/G 4/2

NI

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| ≥ 20000 | 0.0 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 18000 | 2.2 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 16000 | 2.2 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 14000 | 2.2 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 12000 | 4.1 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 10000 | 4.1 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 9000 | 4.1 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 8000 | 4.1 | 47.2 | 49.7 | 51.2 | 51.1 | 1.0 | 51.3 | 51.7 | 52.1 | 52.1 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 7000 | 1.3 | 57.8 | 61.2 | 62.7 | 64.3 | 64.3 | 64.6 | 65.4 | 65.4 | 65.8 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 6000 | 1.3 | 57.8 | 61.2 | 62.7 | 64.3 | 64.3 | 64.6 | 65.4 | 65.4 | 65.8 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 5000 | 3.4 | 61.2 | 63.7 | 65.4 | 67.3 | 67.3 | 67.7 | 68.4 | 68.8 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 4500 | 4.4 | 61.2 | 63.7 | 65.4 | 67.3 | 67.3 | 67.7 | 68.4 | 68.8 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 4000 | 5.7 | 63.1 | 67.3 | 69.2 | 71.5 | 71.5 | 71.9 | 72.6 | 73.7 | 73.7 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| ≥ 3500 | 5.7 | 63.1 | 67.3 | 69.2 | 71.5 | 71.5 | 71.9 | 72.6 | 73.7 | 73.7 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| ≥ 3000 | 1.4 | 71.1 | 75.7 | 78.0 | 80.2 | 80.2 | 80.6 | 81.4 | 81.8 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 2500 | 2.5 | 71.9 | 76.4 | 79.1 | 82.9 | 82.9 | 83.3 | 84.0 | 84.4 | 84.4 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 2000 | 3.5 | 73.5 | 78.0 | 81.0 | 84.8 | 84.8 | 85.2 | 85.9 | 86.3 | 86.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 1800 | 3.5 | 73.5 | 78.0 | 81.0 | 84.8 | 84.8 | 85.2 | 85.9 | 86.3 | 86.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 1500 | 4.6 | 74.5 | 79.5 | 82.5 | 86.3 | 86.3 | 86.7 | 87.5 | 87.8 | 87.8 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 1200 | 5.5 | 74.9 | 79.9 | 82.9 | 86.7 | 86.7 | 87.1 | 87.8 | 88.2 | 88.2 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 1000 | 5.5 | 76.4 | 81.4 | 84.4 | 88.2 | 88.2 | 89.0 | 89.7 | 90.1 | 90.1 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 900 | 5.5 | 76.8 | 81.8 | 84.8 | 88.6 | 88.6 | 89.4 | 90.1 | 90.5 | 90.5 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 800 | 6.5 | 77.2 | 82.1 | 85.2 | 89.0 | 89.4 | 90.1 | 90.9 | 91.3 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 700 | 6.5 | 77.2 | 82.1 | 85.2 | 89.4 | 89.4 | 90.1 | 90.9 | 91.6 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 600 | 6.5 | 77.2 | 82.1 | 85.2 | 89.4 | 89.4 | 90.1 | 90.9 | 91.6 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 500 | 6.5 | 77.6 | 82.9 | 86.7 | 90.5 | 91.3 | 92.0 | 93.2 | 93.5 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 400 | 6.5 | 77.6 | 82.9 | 86.7 | 90.5 | 91.3 | 92.0 | 93.2 | 93.5 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 300 | 6.5 | 77.6 | 82.9 | 86.7 | 90.5 | 91.3 | 92.0 | 93.2 | 93.5 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 200 | 6.5 | 77.6 | 82.9 | 86.7 | 90.5 | 91.3 | 92.0 | 93.2 | 93.5 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 100 | 6.5 | 77.6 | 82.9 | 86.7 | 90.5 | 91.3 | 92.0 | 93.2 | 93.5 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 0 | 6.5 | 77.6 | 82.9 | 86.7 | 90.5 | 91.3 | 92.0 | 93.2 | 93.5 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |

TOTAL NUMBER OF OBSERVATIONS 243

DIRNAVOCEANMET SMOS

NATIONAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NO.

STATION NAME

YEARS

PD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF
HOURLY OBS.

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 20000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 18000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 16000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 14000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 12000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 10000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 9000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 8000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 7000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 6000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 5000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 4500 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 4000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 3500 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 3000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 2500 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 2000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 1800 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 1500 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 1200 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 1000 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 900 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 800 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 700 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 600 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 500 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 400 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 300 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 200 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 100 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 0 | 35.4 | 33.2 | 34.3 | 34.7 | 34.7 | 34.7 | 35.0 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |

TOTAL NUMBER OF OBSERVATIONS

277

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVEILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE

STATION NAME

73-92

YEARS

ADP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ 1/8 |
| NO CEILING | 27.0 | 28.2 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 |
| ≥ 20000 | 45.9 | 47.7 | 48.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| ≥ 18000 | 46.7 | 47.7 | 48.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| ≥ 16000 | 47.6 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥ 14000 | 48.5 | 51.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 12000 | 49.5 | 54.6 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| ≥ 10000 | 54.2 | 57.5 | 57.9 | 58.2 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 9000 | 55.2 | 58.2 | 58.6 | 59.0 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 8000 | 59.7 | 62.3 | 63.0 | 63.4 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 7000 | 59.7 | 63.0 | 64.1 | 64.5 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 6000 | 60.1 | 63.4 | 64.5 | 64.8 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥ 5000 | 61.0 | 64.8 | 65.7 | 67.0 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 4500 | 63.4 | 66.7 | 67.8 | 69.2 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| ≥ 4000 | 65.6 | 68.9 | 70.0 | 72.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 3500 | 68.3 | 69.8 | 70.7 | 72.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥ 3000 | 71.1 | 74.7 | 75.8 | 78.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| ≥ 2500 | 76.2 | 79.9 | 81.0 | 83.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 2000 | 76.2 | 81.6 | 81.7 | 84.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 1800 | 76.9 | 81.6 | 81.7 | 84.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 1500 | 78.0 | 81.7 | 82.8 | 85.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 1200 | 78.0 | 81.7 | 82.8 | 85.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 1000 | 78.4 | 82.1 | 83.2 | 86.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 900 | 78.8 | 82.4 | 83.9 | 86.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 800 | 79.1 | 82.5 | 84.3 | 87.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 700 | 79.1 | 82.8 | 84.3 | 88.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 600 | 80.2 | 83.9 | 85.4 | 89.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 500 | 80.6 | 84.3 | 85.7 | 90.5 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 400 | 80.6 | 85.0 | 86.8 | 91.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 300 | 81.0 | 85.4 | 87.2 | 93.0 | 95.2 | 96.3 | 97.1 | 97.1 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.2 | 98.2 |
| ≥ 200 | 81.0 | 85.4 | 87.2 | 93.0 | 95.6 | 96.7 | 98.2 | 98.5 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 |
| ≥ 100 | 81.0 | 85.4 | 87.2 | 93.0 | 95.6 | 96.7 | 98.2 | 98.5 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 100.0 | 100.0 |
| ≥ 0 | 81.0 | 85.4 | 87.2 | 93.0 | 95.6 | 96.7 | 98.2 | 98.5 | 98.5 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

273

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, WHELEIGH

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 29.4 | 27.6 | 24.6 | 28.6 | 25.6 | 28.6 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| ≥ 20000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| ≥ 18000 | 1.0 | 45.6 | 45.6 | 47.0 | 47.0 | 47.0 | 47.0 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 16000 | 1.0 | 46.3 | 47.0 | 47.4 | 47.4 | 47.4 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| ≥ 14000 | 4.0 | 47.7 | 48.4 | 48.8 | 48.8 | 48.8 | 48.8 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| ≥ 12000 | 4.0 | 50.0 | 51.6 | 51.9 | 51.9 | 51.9 | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| ≥ 10000 | 1.0 | 52.0 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥ 9000 | 1.0 | 53.0 | 54.4 | 55.1 | 55.1 | 55.1 | 55.1 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| ≥ 8000 | 1.0 | 56.5 | 58.0 | 58.3 | 58.7 | 58.7 | 58.7 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 7000 | 2.3 | 57.6 | 59.4 | 59.7 | 60.1 | 60.4 | 60.4 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 6000 | 3.4 | 58.7 | 60.4 | 60.8 | 61.1 | 61.5 | 61.5 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 5000 | 5.1 | 60.8 | 62.9 | 63.3 | 64.0 | 64.3 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 4500 | 5.0 | 63.3 | 65.7 | 66.1 | 66.8 | 67.1 | 67.1 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| ≥ 4000 | 1.0 | 64.7 | 67.5 | 67.8 | 68.9 | 69.3 | 69.3 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥ 3500 | 10.5 | 67.5 | 70.3 | 70.7 | 71.7 | 72.1 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 3000 | 6.0 | 70.3 | 73.5 | 73.8 | 74.9 | 75.2 | 75.2 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| ≥ 2500 | 1.0 | 73.5 | 76.8 | 77.1 | 78.2 | 78.5 | 78.5 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| ≥ 2000 | 4.6 | 76.8 | 80.1 | 80.5 | 81.6 | 81.9 | 81.9 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 1800 | 4.6 | 78.2 | 81.6 | 82.0 | 83.1 | 83.4 | 83.4 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 1500 | 1.0 | 81.6 | 85.0 | 85.4 | 86.5 | 86.8 | 86.8 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 1200 | 7.4 | 85.0 | 88.3 | 88.7 | 89.8 | 90.1 | 90.1 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 1000 | 7.4 | 86.5 | 89.8 | 90.2 | 91.3 | 91.6 | 91.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 900 | 7.7 | 88.3 | 91.6 | 92.0 | 93.1 | 93.4 | 93.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 800 | 7.1 | 89.8 | 93.1 | 93.5 | 94.6 | 94.9 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 700 | 7.1 | 91.3 | 94.6 | 95.0 | 96.1 | 96.4 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 600 | 7.1 | 92.0 | 95.3 | 95.7 | 96.8 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 500 | 7.1 | 93.1 | 96.4 | 96.8 | 97.9 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 400 | 7.1 | 94.6 | 97.9 | 98.3 | 99.0 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 7.1 | 96.1 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 7.1 | 97.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 7.1 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 7.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 293

DIRNAVOCEANMET 5M05

NATIONAL WEATHER SERVICE DETROIT METEOROLOGICAL STATION

CEILING VERSUS VISIBILITY

STATION

STATION NAME

17-17

YEAR

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURLY OBSERVATIONS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ ¼ |
| NO CEILING | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 20000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 18000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 16000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 14000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 12500 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 10000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 9000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 8000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 7000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 6000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 5000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 4500 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 4000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 3500 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 3000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 2500 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 2000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 1800 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 1500 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 1200 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 1000 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 900 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 800 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 700 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 600 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 500 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 400 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 300 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 200 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 100 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| > 0 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |

TOTAL NUMBER OF OBSERVATIONS

221

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT WASHVILLE, TN

CEILING VERSUS VISIBILITY

STATION

STATION NAME

7-1-32

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS IN A DAY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ 1/8 |
| NO CEILING | 1.0 | 35.1 | 35.1 | 35.1 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 20000 | 0.0 | 01.2 | 01.2 | 01.2 | 02.3 | 02.3 | 02.3 | 02.3 | 02.3 | 02.3 | 02.3 | 02.3 | 02.3 | 02.3 | 02.6 | 02.6 |
| 18000 | 0.0 | 01.0 | 02.3 | 02.3 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 03.0 | 03.0 |
| 16000 | 0.0 | 02.3 | 02.6 | 03.0 | 03.3 | 03.3 | 03.3 | 03.3 | 03.3 | 03.3 | 03.3 | 03.3 | 03.3 | 03.3 | 03.7 | 03.7 |
| 14000 | 0.0 | 04.7 | 05.9 | 05.9 | 06.1 | 06.1 | 06.1 | 06.1 | 06.1 | 06.1 | 06.1 | 06.1 | 06.1 | 06.1 | 06.5 | 06.5 |
| 12000 | 1.0 | 07.5 | 07.7 | 08.0 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.7 | 08.7 |
| 10000 | 3.0 | 09.7 | 07.7 | 08.7 | 01.1 | 01.1 | 01.1 | 01.1 | 01.1 | 01.1 | 01.1 | 01.1 | 01.1 | 01.1 | 01.4 | 01.4 |
| 9000 | 4.4 | 01.1 | 02.5 | 02.5 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 02.6 | 03.2 | 03.2 |
| 8000 | 0.0 | 03.5 | 04.7 | 05.3 | 05.6 | 05.6 | 05.6 | 05.6 | 05.6 | 05.6 | 05.6 | 05.6 | 05.6 | 05.6 | 06.0 | 06.0 |
| 7000 | 0.0 | 04.0 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 07.0 | 07.0 |
| 6000 | 0.0 | 04.0 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 06.7 | 07.0 | 07.0 |
| 5000 | 0.0 | 07.7 | 07.4 | 08.1 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 09.0 | 09.0 |
| 4500 | 2.1 | 08.6 | 07.5 | 07.9 | 07.6 | 07.6 | 07.6 | 07.6 | 07.6 | 07.6 | 07.6 | 07.6 | 07.6 | 07.6 | 08.1 | 08.1 |
| 4000 | 4.0 | 07.6 | 07.3 | 07.4 | 07.1 | 07.1 | 07.1 | 07.1 | 07.1 | 07.1 | 07.1 | 07.1 | 07.1 | 07.1 | 07.9 | 07.9 |
| 3500 | 6.0 | 07.7 | 07.4 | 07.6 | 07.5 | 07.5 | 07.5 | 07.5 | 07.5 | 07.5 | 07.5 | 07.5 | 07.5 | 07.5 | 07.9 | 07.9 |
| 3000 | 9.0 | 07.9 | 07.7 | 08.0 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.5 | 08.8 | 08.8 |
| 2500 | 1.0 | 08.0 | 08.0 | 08.6 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.3 | 08.6 | 08.6 |
| 2000 | 7.0 | 08.1 | 08.2 | 08.2 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.4 | 08.4 |
| 1800 | 0.0 | 08.1 | 08.2 | 08.3 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.0 | 08.4 | 08.4 |
| 1500 | 0.0 | 08.0 | 08.0 | 08.0 | 08.7 | 08.7 | 08.7 | 08.7 | 08.7 | 08.7 | 08.7 | 08.7 | 08.7 | 08.7 | 08.8 | 08.8 |
| 1200 | 0.0 | 08.0 | 08.0 | 08.0 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.4 | 08.4 |
| 1000 | 4.0 | 08.2 | 08.0 | 08.1 | 08.8 | 08.8 | 08.8 | 08.8 | 08.8 | 08.8 | 08.8 | 08.8 | 08.8 | 08.8 | 08.9 | 08.9 |
| 900 | 4.7 | 08.5 | 08.3 | 08.4 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.9 | 08.9 |
| 800 | 4.7 | 08.5 | 08.3 | 08.4 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.1 | 08.9 | 08.9 |
| 700 | 0.1 | 08.9 | 08.0 | 08.8 | 09.0 | 09.0 | 09.0 | 09.0 | 09.0 | 09.0 | 09.0 | 09.0 | 09.0 | 09.0 | 09.1 | 09.1 |
| 600 | 0.4 | 08.4 | 07.4 | 09.0 | 09.2 | 09.2 | 09.2 | 09.2 | 09.2 | 09.2 | 09.2 | 09.2 | 09.2 | 09.2 | 09.6 | 09.6 |
| 500 | 0.3 | 08.5 | 07.7 | 08.9 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.7 | 09.7 |
| 400 | 0.0 | 08.6 | 07.7 | 08.9 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.7 | 09.7 |
| 300 | 0.8 | 08.6 | 07.7 | 08.9 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.7 | 09.7 |
| 200 | 0.4 | 08.6 | 07.7 | 08.9 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.7 | 09.7 |
| 100 | 0.8 | 08.6 | 07.7 | 08.9 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.7 | 09.7 |
| 0 | 0.0 | 08.6 | 07.7 | 09.0 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.3 | 09.8 | 09.8 |

TOTAL NUMBER OF OBSERVATIONS 285

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-10

YEARS

APR

MONTH

21

NOV 1957

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ 1/8 |
| NO CEILING | 4.4 | 4.1 | 41.1 | 41.1 | 41.1 | 71.1 | 41.1 | 41.1 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| ≥ 70000 | 4.4 | 4.1 | 52.6 | 52.6 | 53.6 | 3.6 | 53.6 | 52.6 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| NV 18000 | 4.4 | 51.1 | 52.6 | 52.6 | 54.0 | 4.0 | 54.0 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| NV 16000 | 4.4 | 51.1 | 52.6 | 52.6 | 54.0 | 4.0 | 54.0 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| NV 14000 | 4.4 | 51.1 | 52.6 | 52.6 | 54.0 | 4.0 | 54.0 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| NV 12000 | 4.4 | 51.1 | 52.6 | 52.6 | 54.0 | 4.0 | 54.0 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| NV 10000 | 4.4 | 51.1 | 52.6 | 52.6 | 54.0 | 4.0 | 54.0 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| NV 9000 | 1.7 | 52.6 | 61.0 | 62.4 | 62.7 | 63.5 | 63.5 | 63.5 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.3 | 64.3 |
| NV 8000 | 3.6 | 61.2 | 64.3 | 65.0 | 65.4 | 66.2 | 66.2 | 66.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.9 | 66.9 |
| NV 7000 | 4.4 | 62.4 | 65.0 | 65.8 | 66.2 | 66.7 | 66.7 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.7 | 67.7 |
| NV 6000 | 4.4 | 62.4 | 65.4 | 66.2 | 66.7 | 67.7 | 67.7 | 67.7 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.4 | 68.4 |
| NV 5000 | 4.4 | 65.4 | 68.4 | 69.2 | 71.0 | 71.7 | 71.7 | 71.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.5 | 71.5 |
| NV 4500 | 4.4 | 66.9 | 71.0 | 71.7 | 71.5 | 72.2 | 72.2 | 72.2 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 73.0 | 73.0 |
| NV 4000 | 4.4 | 66.9 | 73.0 | 73.3 | 74.9 | 75.7 | 75.7 | 75.7 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.4 | 76.4 |
| NV 3500 | 4.4 | 71.0 | 74.9 | 75.7 | 77.2 | 78.0 | 78.0 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.7 | 78.7 |
| NV 3000 | 4.4 | 73.3 | 78.7 | 79.5 | 81.0 | 81.8 | 81.8 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.5 | 82.5 |
| NV 2500 | 4.4 | 77.2 | 80.6 | 81.4 | 82.0 | 83.7 | 83.7 | 83.7 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.4 | 84.4 |
| NV 2000 | 4.4 | 79.1 | 81.8 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 1800 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 1500 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 1200 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 1000 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 900 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 800 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 700 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 600 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 500 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 400 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 300 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 200 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 100 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |
| NV 0 | 4.4 | 79.1 | 82.5 | 83.3 | 84.8 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.3 | 86.3 |

TOTAL NUMBER OF OBSERVATIONS 13

GIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE FORM NO. 10-1 (10-64)

CEILING VERSUS VISIBILITY

STATION

3, J 195

STATION NAME

YEARS

ED
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS OF DAY

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 0 | 33.4 | 33.7 | 34.1 | 34.3 | 34.7 | 34.5 | 34.9 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 20000 | 1.1 | 47.3 | 43.5 | 40.2 | 37.7 | 34.6 | 30.0 | 20.1 | 10.7 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.5 | 50.5 |
| IV 18000 | 2.1 | 47.4 | 43.7 | 40.5 | 37.9 | 34.8 | 30.1 | 20.2 | 10.4 | 50.6 | 50.6 | 50.7 | 50.7 | 50.7 | 50.8 | 50.8 |
| IV 16000 | 2.4 | 47.3 | 43.1 | 39.6 | 37.4 | 34.4 | 30.6 | 20.6 | 10.9 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 |
| IV 14000 | 3.7 | 46.3 | 41.7 | 38.4 | 36.1 | 33.1 | 29.3 | 20.4 | 12.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 |
| IV 12000 | 4.6 | 41.5 | 37.1 | 33.9 | 31.5 | 28.6 | 24.9 | 15.2 | 15.1 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 |
| IV 10000 | 5.5 | 34.7 | 31.3 | 27.1 | 24.7 | 21.9 | 18.1 | 10.3 | 10.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 |
| IV 9000 | 6.4 | 25.7 | 22.9 | 18.7 | 16.2 | 13.5 | 10.7 | 5.9 | 6.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 |
| IV 8000 | 7.1 | 18.6 | 16.8 | 11.7 | 10.7 | 8.7 | 6.7 | 3.2 | 3.7 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 |
| IV 7000 | 7.7 | 11.7 | 11.6 | 6.0 | 5.5 | 3.9 | 3.9 | 1.2 | 1.7 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.5 | 64.5 |
| IV 6000 | 7.3 | 5.9 | 5.2 | 3.2 | 3.2 | 1.5 | 1.4 | 0.9 | 1.0 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 |
| IV 5000 | 5.5 | 62.3 | 64.7 | 66.1 | 67.1 | 67.4 | 67.6 | 67.8 | 68.0 | 61.1 | 65.1 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 |
| IV 4500 | 5.7 | 63.7 | 64.4 | 67.5 | 68.7 | 69.1 | 69.2 | 69.4 | 69.6 | 69.8 | 69.3 | 69.8 | 69.8 | 69.8 | 69.9 | 69.9 |
| IV 4000 | 5.9 | 66.1 | 68.8 | 71.2 | 71.3 | 72.1 | 72.4 | 72.6 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 |
| IV 3500 | 6.6 | 68.2 | 71.9 | 72.4 | 74.2 | 74.5 | 74.5 | 75.0 | 75.2 | 75.3 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 |
| IV 3000 | 6.2 | 73.7 | 76.5 | 78.1 | 80.0 | 80.4 | 80.7 | 81.2 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 |
| IV 2500 | 6.7 | 76.9 | 80.0 | 81.8 | 83.9 | 84.2 | 84.5 | 84.9 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 |
| IV 2000 | 6.6 | 78.3 | 81.4 | 83.2 | 85.4 | 85.8 | 86.2 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.1 | 87.1 | 87.1 |
| IV 1800 | 6.6 | 75.3 | 81.4 | 83.2 | 85.4 | 85.8 | 86.2 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.1 | 87.1 | 87.1 |
| IV 1500 | 6.7 | 79.2 | 82.2 | 84.0 | 86.2 | 86.7 | 87.0 | 87.4 | 87.6 | 87.8 | 87.8 | 87.8 | 87.9 | 88.0 | 88.0 | 88.0 |
| IV 1200 | 6.9 | 79.0 | 82.7 | 84.5 | 86.7 | 87.2 | 87.5 | 87.9 | 88.1 | 88.2 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 |
| IV 1000 | 1.7 | 81.1 | 83.5 | 85.3 | 87.6 | 88.2 | 88.6 | 89.0 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 |
| IV 900 | 1.7 | 81.5 | 83.9 | 85.8 | 88.1 | 88.7 | 89.1 | 89.5 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 |
| IV 800 | 1.4 | 80.7 | 84.2 | 86.3 | 88.7 | 89.3 | 89.8 | 90.2 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 |
| IV 700 | 1.7 | 81.1 | 84.6 | 86.9 | 89.6 | 90.2 | 90.7 | 91.2 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.8 | 91.8 |
| IV 600 | 1.3 | 81.4 | 84.9 | 87.3 | 90.1 | 90.8 | 91.3 | 91.9 | 92.3 | 92.4 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 |
| IV 500 | 1.3 | 81.6 | 85.1 | 87.7 | 90.7 | 91.6 | 92.3 | 93.0 | 93.6 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| IV 400 | 2.6 | 81.7 | 85.4 | 88.2 | 91.7 | 92.9 | 93.7 | 94.7 | 95.1 | 95.6 | 95.7 | 95.8 | 95.8 | 96.0 | 96.1 | 96.1 |
| IV 300 | 2.6 | 81.4 | 85.5 | 88.4 | 92.7 | 93.6 | 94.5 | 95.7 | 96.2 | 96.7 | 96.9 | 97.0 | 97.1 | 97.3 | 97.3 | 97.3 |
| IV 200 | 2.6 | 81.4 | 85.5 | 88.4 | 92.5 | 93.4 | 94.0 | 96.1 | 97.1 | 97.7 | 98.0 | 98.2 | 98.3 | 98.4 | 98.5 | 98.6 |
| IV 100 | 2.6 | 81.6 | 85.5 | 88.4 | 92.6 | 93.1 | 95.1 | 96.8 | 97.5 | 98.2 | 98.7 | 98.9 | 99.2 | 99.5 | 99.5 | 99.7 |
| IV 0 | 2.6 | 81.8 | 85.5 | 89.4 | 92.6 | 93.1 | 95.1 | 96.8 | 97.5 | 98.2 | 98.7 | 98.9 | 99.2 | 99.5 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2152

DIRNAVOCEANMET SMOS

$$\chi^2_{\text{red}} = \chi^2 / \nu = 10.2 / 10 = 1.02$$

A. J. J.

14-

NOTES

NOV 19 1964

| | |
|------------------------------|-----|
| TOTAL NUMBER OF OBSERVATIONS | 274 |
|------------------------------|-----|

DIRNAVOC EAMMET SMUS

NAVAL WEATHER SERVICE WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION NAME YEAR MONTH
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 6.7 | 6.5 | 51.1 | 72.5 | 75.0 | 75.4 | 76.1 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 20000 | 1.7 | 7.7 | 41.5 | 42.2 | 45.2 | 45.2 | 46.2 | 47.3 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.7 |
| ≥ 18000 | 1.7 | 30.7 | 41.5 | 43.7 | 45.5 | 45.7 | 46.2 | 47.3 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.7 |
| ≥ 16000 | 1.7 | 7.7 | 41.5 | 43.3 | 45.5 | 46.2 | 47.3 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| ≥ 14000 | 1.7 | 32.7 | 41.5 | 43.3 | 45.5 | 46.5 | 47.7 | 49.7 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 12000 | 1.7 | 41.5 | 44.5 | 46.2 | 47.7 | 48.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| ≥ 10000 | 1.7 | 44.5 | 47.2 | 48.7 | 51.7 | 52.0 | 53.1 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 9000 | 1.7 | 45.5 | 48.1 | 50.5 | 53.1 | 53.5 | 54.3 | 55.6 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| ≥ 8000 | 1.7 | 46.7 | 50.3 | 53.4 | 56.0 | 57.0 | 57.1 | 58.4 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| ≥ 7000 | 1.7 | 47.5 | 51.7 | 54.2 | 57.7 | 57.5 | 58.3 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| ≥ 6000 | 1.7 | 48.5 | 52.7 | 54.2 | 58.7 | 57.8 | 58.3 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| ≥ 5000 | 1.7 | 1.3 | 54.9 | 51.7 | 59.6 | 61.7 | 61.7 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 4500 | 1.7 | 12.4 | 51.7 | 57.8 | 61.7 | 61.7 | 62.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| ≥ 4000 | 1.7 | 14.5 | 51.7 | 57.7 | 63.5 | 64.6 | 65.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 3500 | 1.7 | 15.5 | 51.7 | 57.7 | 63.5 | 65.7 | 66.1 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| ≥ 3000 | 1.7 | 7.4 | 62.1 | 64.3 | 67.5 | 66.5 | 69.7 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| ≥ 2500 | 1.7 | 71.3 | 55.7 | 65.2 | 71.5 | 72.5 | 73.7 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.7 |
| ≥ 2000 | 1.7 | 72.5 | 67.2 | 70.5 | 74.4 | 75.8 | 76.9 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 1800 | 1.7 | 72.5 | 67.2 | 71.5 | 74.4 | 75.8 | 76.9 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 1500 | 1.7 | 73.2 | 67.2 | 71.1 | 74.7 | 76.2 | 77.5 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.3 |
| ≥ 1200 | 1.7 | 73.5 | 67.5 | 71.5 | 75.1 | 76.5 | 77.6 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.7 |
| ≥ 1000 | 1.7 | 74.3 | 67.7 | 72.2 | 76.2 | 77.6 | 78.7 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.5 |
| ≥ 900 | 1.7 | 74.5 | 67.7 | 72.5 | 76.5 | 78.5 | 79.1 | 79.8 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 |
| ≥ 800 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.9 |
| ≥ 700 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |
| ≥ 600 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |
| ≥ 500 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |
| ≥ 400 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |
| ≥ 300 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |
| ≥ 200 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |
| ≥ 100 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |
| ≥ 0 | 1.7 | 74.6 | 67.7 | 72.9 | 77.7 | 78.7 | 79.8 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 81.2 |

TOTAL NUMBER OF OBSERVATIONS 177

DIRNAVOCEANMET 5M75

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ≥ 20000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE AND DATE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 |
| NO CEILING | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 20000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 18000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 16000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 14000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 12000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 10000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 9000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 8000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 7000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 6000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 5000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 4500 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 4000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 3500 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 3000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 2500 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 2000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 1500 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 1200 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 1000 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 900 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 800 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 700 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 600 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 500 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 400 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 300 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 200 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 100 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| ≥ 0 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

TOTAL NUMBER OF OBSERVATIONS

DATA PREPARED BY

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FEET
MILES

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|-------|-------|------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ 0 |
| NO CEILING | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 20000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 18000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 16000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 14000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 12000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 10000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 9000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 8000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 7000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 6000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 5000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 4500 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 4000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 3500 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 3000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 2500 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 2000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 1800 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 1500 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 1200 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 1000 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 900 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 800 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 750 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 600 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 500 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 400 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 300 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 200 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 100 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| ≥ 0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |

TOTAL NUMBER OF OBSERVATIONS

1013

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|------|-------|------|------|------|------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ 0 |
| NO CEILING | 17.1 | 2.5 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 20000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| > 18000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 16000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 14000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 12000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 10000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 9000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 8000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 7000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 6000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 5000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 4500 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 4000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 3500 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 3000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 2500 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 2000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 1800 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 1500 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 1200 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 1000 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 900 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 800 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 700 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 600 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 500 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 400 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 300 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 200 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 100 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| ≥ 0 | 14.1 | 2.7 | 1.1 | 1.1 | 1.1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |

TOTAL NUMBER OF OBSERVATIONS

13

ADDITIONAL COMMENTS

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Sponholz (1980). The total chlorophyll content was determined by the method of Arar and Cook (1980). The carotenoid content was determined by the method of Lichtenthaler and Sponholz (1980). The total carotenoid content was determined by the method of Arar and Cook (1980). The total carotenoid content was determined by the method of Arar and Cook (1980).

புதிதான உலகம்

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[illegible]TOTAL NUMBER OF OBSERVATIONS 244

DINNAGE ANNET SMOS

NAVAL WEATHER SERVICE DETACHMENT WHEAT FIELD, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

7 - 1

YEARS

JUN
NORTH

15

HOURLY OBS.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 2.3 | 27.3 | 22.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| ≥ 20000 | 34.2 | 31.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| IV 18000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 16000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 14000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 12000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 10000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 9000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 8000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 7000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 6000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 5000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 4500 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 4000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 3500 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 3000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 2500 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 2000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 1800 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 1600 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 1400 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 1200 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 1000 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 900 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 800 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 700 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 600 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 500 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 400 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 300 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 200 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 100 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| IV 0 | 34.5 | 31.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJCEANMET

WMOUS

CEILING VERSUS VISIBILITY

NAME WEATHER STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1
MAY 1951

| CEILING
FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|-------|------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .01 |
| NO CEILING | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 20000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 18000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 16000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 14000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 12000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 10000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 9000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 8000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 7000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 6000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 5000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 4500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 4000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 3500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 3000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 2500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 2000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 900 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 700 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMO

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

75-1

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 |
| ≥ 20000 | 27.2 | 28.4 | 28.7 | 29.1 | 29.5 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 18000 | 27.5 | 28.7 | 29.1 | 29.5 | 30.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| 16000 | 28.4 | 29.5 | 29.9 | 30.2 | 30.6 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| 14000 | 29.1 | 30.2 | 30.6 | 31.3 | 31.3 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 |
| 12000 | 30.2 | 31.3 | 31.3 | 32.5 | 32.5 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| 10000 | 31.3 | 32.5 | 32.5 | 34.7 | 34.7 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 |
| 9000 | 32.5 | 34.7 | 34.7 | 36.6 | 36.6 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| 8000 | 34.7 | 36.6 | 36.6 | 38.1 | 38.1 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 7000 | 36.6 | 38.1 | 38.1 | 40.7 | 40.7 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| 6000 | 38.1 | 40.7 | 40.7 | 41.4 | 41.4 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| 5000 | 40.7 | 42.5 | 42.5 | 41.4 | 42.5 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| 4500 | 41.4 | 42.5 | 42.5 | 42.5 | 42.5 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 4000 | 42.5 | 44.4 | 44.4 | 42.5 | 44.4 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 3500 | 44.4 | 44.8 | 44.8 | 44.8 | 44.8 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 3000 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| 2500 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 2000 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| 1800 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| 1600 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 1400 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 1200 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 1000 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| 900 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 800 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 700 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 600 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| 500 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 400 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 300 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| 200 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 100 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 0 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

NAVAL WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

5-72

YEARS

JUN
MONTH06
HOURSPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 16.7 | 12.7 | 13.3 | 11.7 | 14.4 | 14.4 | 14.4 | 14.8 | 14.9 | 14.3 | 15.1 | 15.1 | 15.1 | 15.1 | 15.5 | 15.8 |
| ≥ 20000 | 16.7 | 16.5 | 17.6 | 18.7 | 19.8 | 19.8 | 19.8 | 20.9 | 21.2 | 21.2 | 21.6 | 21.6 | 21.6 | 21.9 | 21.9 | 22.3 |
| IV 18000 | 16.7 | 16.5 | 17.6 | 18.7 | 19.8 | 19.8 | 19.8 | 20.9 | 21.2 | 21.2 | 21.6 | 21.6 | 21.6 | 21.9 | 21.9 | 22.3 |
| IV 16000 | 16.7 | 13.0 | 14.7 | 13.8 | 27.2 | 20.9 | 21.9 | 22.3 | 22.3 | 22.3 | 22.7 | 22.7 | 22.7 | 23.0 | 23.0 | 23.4 |
| IV 14000 | 16.7 | 10.7 | 18.7 | 20.8 | 21.8 | 21.9 | 21.9 | 23.0 | 23.4 | 23.4 | 23.7 | 23.7 | 23.7 | 24.1 | 24.5 | 24.8 |
| IV 12000 | 16.7 | 11.0 | 22.3 | 24.5 | 25.5 | 25.5 | 25.9 | 27.3 | 27.7 | 27.7 | 29.1 | 29.1 | 29.1 | 29.4 | 29.8 | 29.1 |
| IV 10000 | 16.7 | 12.3 | 21.7 | 25.2 | 26.6 | 26.6 | 27.7 | 29.5 | 29.9 | 29.9 | 31.2 | 30.2 | 30.4 | 30.9 | 30.9 | 31.3 |
| IV 9000 | 16.7 | 23.7 | 24.5 | 26.6 | 28.1 | 28.1 | 29.4 | 31.7 | 32.7 | 32.7 | 32.7 | 32.4 | 32.4 | 32.7 | 33.1 | 33.5 |
| IV 8000 | 16.7 | 35.5 | 26.7 | 27.8 | 30.9 | 30.9 | 31.3 | 34.5 | 34.9 | 34.9 | 35.3 | 35.3 | 35.3 | 35.6 | 36.7 | 36.3 |
| IV 7000 | 16.7 | 24.3 | 28.1 | 31.2 | 32.4 | 32.4 | 32.7 | 36.0 | 36.3 | 36.3 | 36.7 | 36.7 | 36.7 | 37.1 | 37.4 | 37.6 |
| IV 6000 | 16.7 | 26.6 | 24.4 | 30.6 | 32.7 | 32.7 | 33.1 | 36.3 | 36.7 | 36.7 | 37.1 | 37.1 | 37.1 | 37.4 | 37.8 | 38.1 |
| IV 5000 | 16.7 | 27.3 | 20.1 | 31.7 | 34.2 | 34.5 | 35.3 | 38.9 | 38.9 | 38.9 | 39.2 | 39.2 | 39.2 | 39.6 | 39.9 | 40.3 |
| IV 4500 | 16.7 | 27.3 | 29.1 | 31.7 | 34.2 | 34.5 | 35.6 | 38.9 | 39.2 | 39.2 | 39.6 | 39.6 | 39.6 | 39.9 | 40.3 | 40.7 |
| IV 4000 | 16.7 | 29.1 | 31.0 | 33.5 | 37.1 | 37.4 | 38.5 | 42.5 | 42.8 | 42.8 | 43.2 | 43.2 | 43.2 | 43.5 | 43.9 | 44.6 |
| IV 3500 | 16.7 | 31.7 | 32.7 | 35.6 | 39.2 | 39.6 | 40.7 | 44.6 | 45.7 | 45.7 | 45.7 | 45.3 | 45.3 | 45.7 | 46.0 | 46.5 |
| IV 3000 | 16.7 | 33.5 | 35.3 | 38.1 | 41.7 | 42.1 | 43.2 | 47.5 | 47.8 | 47.8 | 48.2 | 48.2 | 48.2 | 48.6 | 48.9 | 49.6 |
| IV 2500 | 16.7 | 34.5 | 36.7 | 39.9 | 43.5 | 43.9 | 45.0 | 49.3 | 49.6 | 50.4 | 50.7 | 50.7 | 51.1 | 51.4 | 51.4 | 52.2 |
| IV 2000 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 1800 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 1500 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 1200 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 1000 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 900 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 800 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 700 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 600 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 500 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 400 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 300 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 200 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 100 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |
| IV 0 | 16.7 | 36.7 | 38.1 | 41.4 | 45.7 | 45.7 | 46.4 | 50.7 | 51.1 | 51.3 | 52.2 | 52.2 | 52.2 | 52.5 | 52.9 | 53.6 |

TOTAL NUMBER OF OBSERVATIONS

272

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

3, JCHA

STATION NAME

73-02

YEARS

JUN

MONTH

07

HOURS 1.51

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 15.6 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| ≥ 20000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 18000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 16000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 14000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 12000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 10000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 9000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 8000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 7000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 6000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 5000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 4500 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 4000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 3500 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 3000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 2500 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 2000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 1800 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 1500 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 1200 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 1000 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 900 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 800 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 700 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 600 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 500 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 400 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 300 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 200 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 100 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |
| 0 | 14.9 | 14.9 | 13.5 | 12.7 | 11.7 | 10.5 | 9.4 | 8.4 | 7.4 | 6.4 | 5.4 | 4.4 | 3.4 | 2.4 | 1.4 | 0.4 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJCEANMET SMOS

NATIONAL WEATHER SERVICE DETACHMENT WASH DC 1100

CEILING VERSUS VISIBILITY

STATION

1100 A, 1100 A

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 3/8 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 17.4 | 14.6 | 14.7 | 19.6 | 20.5 | 1.2 | 21.8 | 23.1 | 23.1 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.3 |
| ≥ 20000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 31.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 18000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 16000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 14000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 12000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 10000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 8000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 7000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 6000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 5000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 4500 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 4000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 3500 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 3000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 2500 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 2000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 1800 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 1600 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 1400 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 1200 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 1000 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 900 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 800 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 700 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 600 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 500 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 400 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 300 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 200 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 100 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |
| ≥ 0 | 17.5 | 19.3 | 21.9 | 24.2 | 27.9 | 19.7 | 30.9 | 32.3 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 33.1 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ACHILLEVE, NC

CEILING VERSUS VISIBILITY

STATION

A. J. L.

STATION NAME

77-2

YEARS

MAY
MONTH

ALL
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 3/8 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 31.9 | 31.7 | 32.4 | 32.1 | 33.0 | 33.4 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| ≥ 20000 | 45.4 | 46.1 | 47.7 | 48.5 | 48.7 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| 18000 | 45.7 | 47.2 | 48.7 | 49.1 | 49.1 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| 16000 | 46.4 | 48.0 | 49.0 | 49.9 | 50.1 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 14000 | 47.4 | 49.0 | 50.9 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 12000 | 47.9 | 51.7 | 52.6 | 53.9 | 54.0 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 10000 | 48.3 | 54.4 | 55.4 | 56.7 | 56.7 | 56.7 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| 9000 | 48.7 | 55.3 | 56.9 | 58.2 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 8000 | 49.7 | 57.7 | 58.2 | 61.4 | 61.8 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 7000 | 50.5 | 60.2 | 61.4 | 62.6 | 62.8 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 6000 | 51.1 | 63.4 | 64.3 | 65.8 | 66.1 | 66.4 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| 5000 | 52.7 | 65.7 | 66.5 | 67.3 | 67.5 | 67.7 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| 4500 | 53.4 | 66.3 | 68.3 | 69.5 | 69.8 | 70.3 | 70.4 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| 4000 | 54.7 | 68.7 | 70.4 | 71.9 | 72.2 | 72.7 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| 3500 | 55.2 | 70.2 | 72.4 | 74.2 | 76.0 | 76.4 | 76.9 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 3000 | 56.2 | 72.4 | 74.2 | 76.0 | 76.4 | 76.9 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 2500 | 57.2 | 74.2 | 76.0 | 78.0 | 80.5 | 81.5 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 2000 | 58.1 | 76.6 | 78.0 | 80.5 | 81.5 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 1800 | 59.1 | 78.0 | 79.4 | 81.9 | 81.9 | 82.3 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 1500 | 60.1 | 79.4 | 81.9 | 82.1 | 82.6 | 83.1 | 83.3 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 1200 | 61.1 | 81.9 | 82.1 | 82.6 | 83.1 | 83.3 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 1000 | 62.1 | 83.1 | 83.3 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 900 | 63.1 | 84.1 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 800 | 64.1 | 85.1 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 700 | 65.1 | 86.1 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 600 | 66.1 | 87.1 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 500 | 67.1 | 88.1 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 400 | 68.1 | 89.1 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 300 | 69.1 | 90.1 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 200 | 70.1 | 91.1 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 100 | 71.1 | 92.1 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 0 | 72.1 | 93.1 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |

TOTAL NUMBER OF OBSERVATIONS

28

DIRNAVOCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT ASHMOORE NO.

CEILING VERSUS VISIBILITY

STATION NAME

AS, JUMP

STATION NAME

YEARS

NAV
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (1.5)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 1.0 | 1.2 | 37.2 | 37.6 | 39.3 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 20000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 18000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 16000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 14000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 12000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 10000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 9000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 8000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 7000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 6000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 5000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 4500 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 4000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 3500 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 3000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 2500 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 2000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 1800 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 1600 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 1400 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 1200 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 1000 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 900 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 800 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 700 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 600 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 500 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 400 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 300 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 200 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 100 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 0 | 4.7 | 4.9 | 51.7 | 53.1 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |

TOTAL NUMBER OF OBSERVATIONS 290

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

71-12

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1st

HOURS - 161

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 1.2 | 1.2 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| ≥ 70000 | 42.7 | 42.7 | 5.5 | 51.2 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| ≥ 18000 | 42.7 | 40.2 | 51.2 | 51.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| ≥ 16000 | 42.7 | 51.2 | 52.2 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| ≥ 14000 | 42.7 | 52.2 | 53.6 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 12000 | 42.7 | 53.6 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 10000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 9000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 8000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 7000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 6000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 5000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 4500 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 4000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 3500 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 3000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 2500 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 2000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 1800 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 1500 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 1700 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 1000 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 900 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 800 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 700 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 600 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 500 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 400 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 300 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 200 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 100 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 0 | 42.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |

TOTAL NUMBER OF OBSERVATIONS

225

DIRNAVOCEANMET SMOS

NATIONAL WEATHER SERVICE - METAR REPORT - ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
100

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |
| ≥ 20000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 18000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 16000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 14000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 12000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 10000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 9000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 8000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 7000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 6000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 5000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 4500 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 4000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 3500 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 3000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 2500 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 2000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 1800 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 1500 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 1200 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 1000 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 900 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 800 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 700 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 600 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 500 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 400 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 300 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 200 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 100 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 0 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |

TOTAL NUMBER OF OBSERVATIONS 206

DIRNAVOCEANMET SMOS

NASA WEATHER SERVICE DETACHMENT ANDREWS AFB MD

CEILING VERSUS VISIBILITY

STATION NAME: ANDREWS AFB MD YEAR: 1954 MONTH: 17

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|-------|------|-------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO CEILING | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| ≥ 20000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 18000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 16000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 14000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 12000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 10000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 9000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 8000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 7000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 6000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 5000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 4500 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 4000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 3500 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 3000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 2500 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 2000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 1800 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 1500 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 1200 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 1000 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 900 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 800 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 700 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 600 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 500 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 400 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 300 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 200 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 100 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 0 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |

TOTAL NUMBER OF OBSERVATIONS: 17

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE, FLEET WEATHER CENTER, 1000

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

JUL
MONTH

HOUSE NO.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| ≥ 20000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 18000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 16000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 14000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 12000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 10000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 9000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 8000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 7000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 6000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 5000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 4500 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 4000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 3500 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 3000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 2500 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 2000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 1800 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 1600 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 1400 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 1200 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 1000 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 900 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 800 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 700 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 600 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 500 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 400 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 300 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 200 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 100 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |
| IV 0 | 17.6 | 21.2 | 27.7 | 34.7 | 41.7 | 47.2 | 52.9 | 58.7 | 63.7 | 68.7 | 73.7 | 78.7 | 83.7 | 88.7 | 93.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS 27

DIRT,AVOCEANMET SMOS

NATIONAL WEATHER SERVICE - EL PASO, TEXAS - ASHLEYVILLE, NM

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

ROUTE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 20000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 18000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 16000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 14000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 12000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 10000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 9000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 8000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 7000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 6000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 5000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 4500 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 4000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 3500 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 3000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 2500 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 2000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 1800 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 1500 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 1200 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 1000 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 900 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 800 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 700 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 600 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 500 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 400 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 300 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 200 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 100 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |
| ≥ 0 | 14.6 | 14.7 | 17.1 | 20.7 | 21.4 | 22.1 | 23.6 | 23.6 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.5 |

TOTAL NUMBER OF OBSERVATIONS 276

DIRNAVCEANMET 5MOS

NAVAL WEATHER SERVICE DATA REPORT WRE-100-1

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)25
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 11.5 | 17.0 | 22.5 | 28.0 | 33.5 | 39.0 | 44.5 | 50.0 | 55.5 | 61.0 | 66.5 | 72.0 | 77.5 | 83.0 | 88.5 | 94.0 |
| ≥ 20000 | 17.0 | 22.5 | 28.0 | 33.5 | 39.0 | 44.5 | 50.0 | 55.5 | 61.0 | 66.5 | 72.0 | 77.5 | 83.0 | 88.5 | 94.0 | 99.5 |
| ≥ 18000 | 17.0 | 22.5 | 28.0 | 33.5 | 39.0 | 44.5 | 50.0 | 55.5 | 61.0 | 66.5 | 72.0 | 77.5 | 83.0 | 88.5 | 94.0 | 99.5 |
| ≥ 16000 | 17.4 | 22.9 | 28.4 | 33.9 | 39.4 | 44.9 | 50.4 | 55.9 | 61.4 | 66.9 | 72.4 | 77.9 | 83.4 | 88.9 | 94.4 | 99.9 |
| ≥ 14000 | 18.4 | 23.9 | 29.4 | 34.9 | 40.4 | 45.9 | 51.4 | 56.9 | 62.4 | 67.9 | 73.4 | 78.9 | 84.4 | 89.9 | 95.4 | 100.0 |
| ≥ 12000 | 19.4 | 24.9 | 30.4 | 35.9 | 41.4 | 46.9 | 52.4 | 57.9 | 63.4 | 68.9 | 74.4 | 79.9 | 85.4 | 90.9 | 96.4 | 100.0 |
| ≥ 10000 | 20.4 | 25.9 | 31.4 | 36.9 | 42.4 | 47.9 | 53.4 | 58.9 | 64.4 | 69.9 | 75.4 | 80.9 | 86.4 | 91.9 | 97.4 | 100.0 |
| ≥ 9000 | 20.1 | 25.6 | 31.1 | 36.6 | 42.1 | 47.6 | 53.1 | 58.6 | 64.1 | 69.6 | 75.1 | 80.6 | 86.1 | 91.6 | 97.1 | 100.0 |
| ≥ 8000 | 21.0 | 26.5 | 32.0 | 37.5 | 43.0 | 48.5 | 54.0 | 59.5 | 65.0 | 70.5 | 76.0 | 81.5 | 87.0 | 92.5 | 98.0 | 100.0 |
| ≥ 7000 | 21.0 | 26.5 | 32.0 | 37.5 | 43.0 | 48.5 | 54.0 | 59.5 | 65.0 | 70.5 | 76.0 | 81.5 | 87.0 | 92.5 | 98.0 | 100.0 |
| ≥ 6000 | 22.0 | 27.5 | 33.0 | 38.5 | 44.0 | 49.5 | 55.0 | 60.5 | 66.0 | 71.5 | 77.0 | 82.5 | 88.0 | 93.5 | 99.0 | 100.0 |
| ≥ 5000 | 25.0 | 30.5 | 36.0 | 41.5 | 47.0 | 52.5 | 58.0 | 63.5 | 69.0 | 74.5 | 80.0 | 85.5 | 91.0 | 96.5 | 100.0 | 100.0 |
| ≥ 4500 | 26.0 | 31.5 | 37.0 | 42.5 | 48.0 | 53.5 | 59.0 | 64.5 | 70.0 | 75.5 | 81.0 | 86.5 | 92.0 | 97.5 | 100.0 | 100.0 |
| ≥ 4000 | 27.0 | 32.5 | 38.0 | 43.5 | 49.0 | 54.5 | 60.0 | 65.5 | 71.0 | 76.5 | 82.0 | 87.5 | 93.0 | 98.5 | 100.0 | 100.0 |
| ≥ 3500 | 29.0 | 34.5 | 40.0 | 45.5 | 51.0 | 56.5 | 62.0 | 67.5 | 73.0 | 78.5 | 84.0 | 89.5 | 95.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 30.0 | 35.5 | 41.0 | 46.5 | 52.0 | 57.5 | 63.0 | 68.5 | 74.0 | 79.5 | 85.0 | 90.5 | 96.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 31.0 | 36.5 | 42.0 | 47.5 | 53.0 | 58.5 | 64.0 | 69.5 | 75.0 | 80.5 | 86.0 | 91.5 | 97.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 33.0 | 38.5 | 44.0 | 49.5 | 55.0 | 60.5 | 66.0 | 71.5 | 77.0 | 82.5 | 88.0 | 93.5 | 99.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 33.0 | 38.5 | 44.0 | 49.5 | 55.0 | 60.5 | 66.0 | 71.5 | 77.0 | 82.5 | 88.0 | 93.5 | 99.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 33.7 | 39.2 | 44.7 | 50.2 | 55.7 | 61.2 | 66.7 | 72.2 | 77.7 | 83.2 | 88.7 | 94.2 | 99.7 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 33.7 | 39.2 | 44.7 | 50.2 | 55.7 | 61.2 | 66.7 | 72.2 | 77.7 | 83.2 | 88.7 | 94.2 | 99.7 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 34.4 | 40.0 | 45.5 | 51.0 | 56.5 | 62.0 | 67.5 | 73.0 | 78.5 | 84.0 | 89.5 | 95.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 34.7 | 40.3 | 45.8 | 51.3 | 56.8 | 62.3 | 67.8 | 73.3 | 78.8 | 84.3 | 89.8 | 95.3 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 36.1 | 42.0 | 47.5 | 53.0 | 58.5 | 64.0 | 69.5 | 75.0 | 80.5 | 86.0 | 91.5 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 36.1 | 42.0 | 47.5 | 53.0 | 58.5 | 64.0 | 69.5 | 75.0 | 80.5 | 86.0 | 91.5 | 97.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 36.5 | 42.4 | 47.9 | 53.4 | 58.9 | 64.4 | 69.9 | 75.4 | 80.9 | 86.4 | 91.9 | 97.4 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 37.2 | 43.1 | 48.6 | 54.1 | 59.6 | 65.1 | 70.6 | 76.1 | 81.6 | 87.1 | 92.6 | 98.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 38.2 | 44.1 | 49.6 | 55.1 | 60.6 | 66.1 | 71.6 | 77.1 | 82.6 | 88.1 | 93.6 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 38.2 | 44.1 | 49.6 | 55.1 | 60.6 | 66.1 | 71.6 | 77.1 | 82.6 | 88.1 | 93.6 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 38.2 | 44.1 | 49.6 | 55.1 | 60.6 | 66.1 | 71.6 | 77.1 | 82.6 | 88.1 | 93.6 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 38.2 | 44.1 | 49.6 | 55.1 | 60.6 | 66.1 | 71.6 | 77.1 | 82.6 | 88.1 | 93.6 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 38.2 | 44.1 | 49.6 | 55.1 | 60.6 | 66.1 | 71.6 | 77.1 | 82.6 | 88.1 | 93.6 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 25

DIRNAVOCEANMET SMOS

Model: $\Delta G^{\circ} = \Delta G^{\circ}_{\text{f}}(\text{products}) - \Delta G^{\circ}_{\text{f}}(\text{reactants})$

1941-1942

STATION NAME

TEA99

July

25

NOV 22 1999

NOV 22 1999

TOTAL NUMBER OF OBSERVATIONS 245

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT WHEELERS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-37

YEAR

JUL
MONTH

12
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/10 | ≥ . | ≥ 0 |
| NO CEILING | 0.0 | 0.0 | 21.5 | 71.9 | 2.0 | 0.0 | 27.6 | 32.6 | 22.6 | 27.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 |
| ≥ 20000 | 2.0 | 34.4 | 36.5 | 37.9 | 37.2 | 33.2 | 38.2 | 38.2 | 3.7 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 |
| IV 18000 | 3.2 | 35.2 | 36.4 | 37.9 | 37.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| IV 16000 | 4.4 | 36.0 | 34.5 | 39.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| IV 14000 | 5.6 | 36.8 | 4.2 | 41.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| IV 12000 | 6.8 | 40.5 | 42.2 | 44.2 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| IV 10000 | 8.0 | 42.2 | 45.5 | 47.2 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 |
| IV 9000 | 9.2 | 43.2 | 45.5 | 47.5 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| IV 8000 | 10.4 | 43.2 | 45.5 | 47.2 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 7000 | 11.6 | 45.5 | 48.5 | 51.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| IV 6000 | 12.8 | 46.5 | 49.5 | 51.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| IV 5000 | 14.0 | 47.5 | 52.5 | 54.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| IV 4500 | 15.2 | 48.5 | 53.5 | 55.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| IV 4000 | 16.4 | 49.5 | 55.5 | 57.5 | 6.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| IV 3500 | 17.6 | 50.5 | 57.1 | 59.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| IV 3000 | 18.8 | 50.5 | 62.1 | 64.5 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| IV 2500 | 19.2 | 51.5 | 64.5 | 67.1 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| IV 2000 | 20.4 | 52.5 | 65.8 | 68.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| IV 1800 | 21.6 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 1600 | 22.8 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 1400 | 24.0 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 1200 | 25.2 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 1000 | 26.4 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 900 | 27.6 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 800 | 28.8 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 700 | 30.0 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 600 | 31.2 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 500 | 32.4 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 400 | 33.6 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 300 | 34.8 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 200 | 36.0 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 100 | 37.2 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| IV 0 | 38.4 | 52.5 | 65.8 | 68.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |

TOTAL NUMBER OF OBSERVATIONS 301

DIRNAVCEANMET SMOS

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0 |
| NO CEILING | 0.1 | 21.6 | 21.6 | 22.3 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 |
| ≥ 70000 | 0.4 | 32.7 | 32.7 | 33.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| ≥ 18000 | 0.1 | 1.1 | 32.4 | 33.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| ≥ 16000 | 0.1 | 0.1 | 32.1 | 33.5 | 34.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 |
| ≥ 14000 | 0.1 | 0.1 | 32.1 | 34.5 | 37.8 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| ≥ 12000 | 0.1 | 0.1 | 32.2 | 40.5 | 41.9 | 43.0 | 43.0 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 10000 | 0.1 | 0.1 | 31.2 | 42.4 | 43.9 | 45.0 | 46.0 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 9000 | 0.1 | 0.1 | 2.7 | 44.7 | 45.6 | 47.6 | 47.6 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| ≥ 8000 | 0.4 | 0.4 | 46.6 | 48.0 | 48.7 | 51.7 | 51.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 7000 | 0.1 | 0.1 | 44.6 | 48.7 | 51.7 | 54.1 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥ 6000 | 0.1 | 0.1 | 44.6 | 48.7 | 52.7 | 54.4 | 54.4 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 5000 | 0.1 | 0.1 | 44.7 | 51.7 | 54.1 | 54.4 | 56.4 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| ≥ 4500 | 0.1 | 0.1 | 43.7 | 52.7 | 55.1 | 57.4 | 57.4 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 4000 | 0.1 | 0.1 | 41.0 | 54.4 | 56.1 | 56.5 | 58.8 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 3500 | 0.4 | 0.4 | 55.1 | 57.4 | 60.1 | 62.7 | 62.8 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| ≥ 3000 | 0.4 | 0.4 | 59.0 | 61.8 | 63.2 | 67.9 | 68.2 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| ≥ 2500 | 0.1 | 0.1 | 2.5 | 64.7 | 65.7 | 71.0 | 71.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 2000 | 0.1 | 0.1 | 3.5 | 65.5 | 65.3 | 72.0 | 72.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 1800 | 0.1 | 0.1 | 43.5 | 65.0 | 69.3 | 71.0 | 72.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 1500 | 0.1 | 0.1 | 64.5 | 66.0 | 71.3 | 73.7 | 73.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 1200 | 0.1 | 0.1 | 65.9 | 69.2 | 71.6 | 74.3 | 75.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| ≥ 1000 | 0.1 | 0.1 | 66.3 | 69.3 | 72.6 | 75.3 | 76.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 900 | 0.1 | 0.1 | 66.7 | 69.3 | 72.6 | 75.3 | 76.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 800 | 0.1 | 0.1 | 68.2 | 70.6 | 74.0 | 76.7 | 77.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 700 | 0.1 | 0.1 | 69.2 | 72.0 | 75.3 | 78.0 | 79.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 600 | 0.1 | 0.1 | 69.4 | 73.3 | 76.7 | 79.4 | 80.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 500 | 0.1 | 0.1 | 71.0 | 75.3 | 79.1 | 82.1 | 83.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| ≥ 400 | 0.1 | 0.1 | 72.5 | 77.7 | 81.4 | 85.1 | 86.5 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 300 | 0.1 | 0.1 | 73.0 | 77.4 | 82.1 | 87.2 | 88.9 | 90.2 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 200 | 0.1 | 0.1 | 73.0 | 77.7 | 82.4 | 87.8 | 89.5 | 91.6 | 93.6 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 100 | 0.1 | 0.1 | 73.0 | 77.7 | 82.4 | 87.8 | 89.5 | 92.2 | 94.9 | 96.0 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 0 | 0.1 | 0.1 | 73.0 | 77.7 | 82.4 | 87.8 | 89.5 | 92.2 | 94.9 | 96.0 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |

TOTAL NUMBER OF OBSERVATIONS 276

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, WHEELER, NM

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1°
HOUSE LOT

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 |
| ≥ 20000 | 32.7 | 31.7 | 32.7 | 32.7 | 32.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 18000 | 31.7 | 31.7 | 32.7 | 34.7 | 34.7 | 34.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 16000 | 31.7 | 31.7 | 33.3 | 34.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 14000 | 33.3 | 33.3 | 35.3 | 37.7 | 37.7 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| ≥ 12000 | 33.3 | 33.3 | 35.3 | 37.7 | 40.0 | 40.7 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| ≥ 10000 | 33.3 | 33.3 | 39.7 | 41.7 | 42.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥ 9000 | 37.7 | 37.7 | 40.7 | 42.7 | 43.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 8000 | 39.7 | 40.7 | 43.0 | 43.7 | 46.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| ≥ 7000 | 39.7 | 41.7 | 43.3 | 45.7 | 46.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| ≥ 6000 | 41.7 | 41.7 | 43.7 | 46.7 | 47.7 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| ≥ 5000 | 41.7 | 43.7 | 46.3 | 46.7 | 49.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| ≥ 4500 | 41.7 | 43.7 | 47.7 | 49.7 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 4000 | 43.7 | 45.7 | 47.7 | 52.7 | 54.7 | 55.0 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥ 3500 | 43.7 | 47.7 | 52.0 | 54.7 | 56.3 | 57.3 | 57.7 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| ≥ 3000 | 50.0 | 53.3 | 55.7 | 61.7 | 63.3 | 64.3 | 64.7 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 2500 | 51.7 | 55.7 | 61.0 | 64.0 | 66.0 | 67.0 | 67.3 | 67.7 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 2000 | 53.0 | 57.0 | 62.3 | 65.3 | 67.7 | 68.7 | 69.0 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 1800 | 53.0 | 57.0 | 62.3 | 65.3 | 67.7 | 68.7 | 69.0 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 1500 | 53.0 | 57.0 | 62.3 | 65.3 | 67.7 | 68.7 | 69.0 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 1200 | 53.7 | 57.7 | 63.0 | 66.7 | 68.3 | 69.3 | 69.7 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| ≥ 1000 | 54.3 | 58.3 | 63.7 | 67.7 | 69.3 | 70.3 | 71.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 900 | 54.3 | 58.3 | 64.0 | 67.3 | 69.7 | 71.7 | 71.7 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| ≥ 800 | 55.3 | 59.3 | 65.0 | 68.3 | 71.7 | 72.7 | 73.0 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 700 | 55.3 | 60.3 | 66.0 | 69.3 | 72.0 | 73.0 | 74.0 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 600 | 55.3 | 61.3 | 67.0 | 70.3 | 73.0 | 74.0 | 75.0 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| ≥ 500 | 59.0 | 63.0 | 69.3 | 72.7 | 75.3 | 76.3 | 77.3 | 78.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 400 | 59.7 | 64.7 | 72.0 | 75.7 | 78.3 | 79.7 | 81.0 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 300 | 60.0 | 64.7 | 73.3 | 76.0 | 80.7 | 82.0 | 84.7 | 86.0 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 200 | 60.3 | 65.7 | 73.7 | 79.7 | 82.7 | 84.0 | 87.3 | 88.7 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 100 | 60.3 | 65.7 | 73.7 | 79.7 | 82.7 | 84.7 | 88.3 | 91.7 | 93.3 | 94.7 | 95.0 | 95.3 | 97.3 | 97.3 | 98.0 | 98.0 |
| 0 | 60.3 | 65.7 | 73.7 | 79.7 | 82.7 | 84.7 | 88.3 | 91.7 | 93.3 | 94.7 | 95.0 | 95.7 | 98.3 | 98.3 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVUCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 20000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 18000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 16000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 14000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 12000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 10000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 9000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 8000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 7000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 6000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 5000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 4500 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 4000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 3500 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 3000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 2500 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 2000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 1800 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 1500 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 1200 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 1000 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 900 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 800 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 700 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 600 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 500 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 400 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 300 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 200 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 100 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| ≥ 0 | 1.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |

TOTAL NUMBER OF OBSERVATIONS 293

DIRECTIONAL MET. 5MUS

NATIONAL WEATHER SERVICE - STATION NAME AND ELEVATION

CEILING VERSUS VISIBILITY

STATION NAME
STATION NAME

YEARS
JUL
MONTH
ALL
MOVES

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 3/16 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 20000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 18000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 16000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 14000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 12000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 10000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 9000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 8000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 7000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 6000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 5000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2722

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 20000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 18000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 16000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 14000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 12000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 10000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 9000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 8000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 7000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 6000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 5000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 4500 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 4000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 3500 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 3000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 2500 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 2000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 1800 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 1500 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 1200 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 1000 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 900 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 800 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 700 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 600 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 500 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 400 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 300 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 200 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 100 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| ≥ 0 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |

TOTAL NUMBER OF OBSERVATIONS

DATE: 11/11/55

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 21.7 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| ≥ 20000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 18000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 16000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 14000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 12000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 10000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 9000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 8000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 7000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 6000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 5000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 4500 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 4000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 3500 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 3000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 2500 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 2000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 1800 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 1600 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 1500 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 1200 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 1000 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 900 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 800 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 700 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 600 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 500 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 400 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 300 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 200 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 100 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| ≥ 0 | 24.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |

TOTAL NUMBER OF OBSERVATIONS 8

DIRNAVOCEANMET SMUS

CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE U.S.T

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 27.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 20000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 18000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 16000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 14000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 12000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 10000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 8000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 7000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 6000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 5000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 4500 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 4000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 3500 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 3000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 2500 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 2000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 1800 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 1600 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 1400 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 1200 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 1000 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 900 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 800 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 700 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 600 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 500 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 400 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 300 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 200 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 100 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 0 | 25.0 | 27.0 | 25.0 | 27.0 | 27.0 | 31.0 | 37.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |

TOTAL NUMBER OF OBSERVATIONS 201

DIRTY VOLCANMET 0005

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|-----|-------|-----|-------|-----|------|-------|-------|------|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ 0 |
| NO CEILING | 16.5 | 12.5 | 11.5 | 10.5 | 9.5 | 8.5 | 7.5 | 6.5 | 5.5 | 4.5 | 3.5 | 2.5 | 1.5 | 1.0 | 0.5 | 0.0 |
| ≥ 20000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 18000 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 16000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 14000 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 12000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 10000 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 9000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 8000 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 7000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 6000 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 5000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 4500 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 4000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 3500 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 3000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 2500 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 2000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 1800 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 1500 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 1200 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 1000 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 900 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 800 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 700 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 600 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 500 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 400 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 300 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 200 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 100 | 7.4 | 5.1 | 4.6 | 4.1 | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.1 | 0.7 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 |
| ≥ 0 | 4.4 | 3.1 | 2.8 | 2.5 | 2.2 | 1.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE: METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS LAST

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 4.7 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 20000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 18000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 16000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 14000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 12000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 10000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 9000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 8000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 7000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 6000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 5000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 4500 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 4000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 3500 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 3000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 2500 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 2000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 1800 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 1600 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 1400 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 1200 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 1000 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 900 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 800 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 700 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 600 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 500 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 400 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 300 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 200 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 100 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ≥ 0 | 3.4 | 2.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

TOTAL NUMBER OF OBSERVATIONS

1

NOVA LEAVITT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

WINDS

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|-----|-------|-------|-------|-------|--------|--------|--------|---------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 |
| NO CEILING | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 20000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 18000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 16000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 14000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 12000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 10000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 9000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 8000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 7000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 6000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 5000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 4500 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 4000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 3500 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 3000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 2500 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 2000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 1800 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 1600 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 1400 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 1200 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 1000 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 900 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 800 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 700 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 600 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 500 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 400 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 300 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 200 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 100 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| ≥ 0 | 44.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS

1000

WINDS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENT
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|------|-------|-------|------|-----|
| | ≥ 10 | ≥ 9 | ≥ 8 | ≥ 7 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 20000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS

2 17

DATA FILE NAME

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 3.2 | 71.3 | 3.7 | 2.6 | 33.7 | 33.0 | 33.7 | 33.0 | 33.7 | 33.0 | 33.7 | 33.0 | 33.7 | 33.0 | 33.7 | 33.0 |
| ≥ 20000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 18000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 16000 | 1.2 | 47.3 | 42.6 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 14000 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 12000 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| ≥ 10000 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥ 9000 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥ 8000 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 7000 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥ 6000 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥ 5000 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥ 4500 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 4000 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| ≥ 3500 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 3000 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 2500 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 2000 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 1800 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 1600 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1

WIND DIRECTION

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|------|------|-------|------|------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .1 | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 20000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS

2 4

DATA SOURCE: METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15
HOURS PER DAY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 0 | 0 | 0 | 24.4 | 6.7 | 1.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| ≥ 20000 | 0 | 0 | 0 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| ≥ 18000 | 0 | 0 | 0 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| ≥ 16000 | 0 | 0 | 0 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| ≥ 14000 | 0 | 0 | 0 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 12000 | 0 | 0 | 0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 10000 | 0 | 0 | 0 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 9000 | 1.7 | 1.7 | 55.1 | 53.5 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 8000 | 0 | 0 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| ≥ 7000 | 0 | 0 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| ≥ 6000 | 0 | 0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| ≥ 5000 | 0 | 0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| ≥ 4500 | 0 | 0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 4000 | 0 | 0 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| ≥ 3500 | 0 | 0 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| ≥ 3000 | 0 | 0 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| ≥ 2500 | 0 | 0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 2000 | 1.7 | 1.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 1800 | 1.7 | 1.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 1500 | 1.7 | 1.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 1200 | 1.7 | 1.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 1000 | 1.7 | 1.7 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 900 | 1.7 | 1.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 800 | 1.7 | 1.7 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 700 | 1.7 | 1.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 600 | 1.7 | 1.7 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 500 | 1.7 | 1.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 400 | 1.7 | 1.7 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 300 | 1.7 | 1.7 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 200 | 1.7 | 1.7 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 100 | 1.7 | 1.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 0 | 1.7 | 1.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |

TOTAL NUMBER OF OBSERVATIONS

258

DATA SOURCE: MET. STATION

CEILING VERSUS VISIBILITY

NAME OF STATION: ... DATE: ...

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 20000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS 7

DIRNAVCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEARS: _____ MONTH: _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 STATION NAME: _____ YEARS: _____ MONTH: _____
 HOURS: _____

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|---------|-------|---------|-------|-------|-------|-------|--------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 3 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 0 |
| NO CEILING | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| ≥ 20000 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| 18000 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| 16000 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| 14000 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| 12000 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 10000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 9000 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 8000 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 7000 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 6000 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| 5000 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 4500 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 4000 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| 3500 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 3000 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| 2500 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 2000 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 1800 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 1600 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 1400 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 1200 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| 1000 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 900 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 800 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 700 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 600 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 500 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 254

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| ≥ 20000 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥ 18000 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥ 16000 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥ 14000 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| ≥ 12000 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 10000 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| ≥ 9000 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 8000 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 7000 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 6000 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 5000 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| ≥ 4500 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥ 4000 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| ≥ 3500 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| ≥ 3000 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 2500 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 2000 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 1800 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥ 1500 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 1200 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 1000 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| ≥ 900 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 800 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 700 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 600 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 500 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 400 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 300 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 200 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 100 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMUS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOVEMBER

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 3.2 | 9.6 | 3.2 | 31.4 | 32.5 | 72.6 | 33.2 | 33.9 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| ≥ 20000 | 4.2 | 3.2 | 37.3 | 4.7 | 41.8 | 41.8 | 42.5 | 41.2 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 18000 | 3.2 | 3.2 | 39.3 | 4.7 | 41.8 | 41.8 | 42.5 | 43.2 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 16000 | 3.2 | 3.2 | 39.3 | 4.7 | 41.8 | 41.8 | 42.5 | 43.2 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 14000 | 3.2 | 41.1 | 41.4 | 42.9 | 43.9 | 43.9 | 44.6 | 45.4 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 12000 | 3.2 | 43.2 | 45.7 | 47.1 | 48.2 | 48.6 | 49.2 | 50.0 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| ≥ 10000 | 3.2 | 44.2 | 50.0 | 51.4 | 53.2 | 53.6 | 54.3 | 55.1 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| ≥ 9000 | 17.6 | 48.9 | 50.4 | 51.8 | 53.6 | 53.9 | 54.6 | 55.4 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| ≥ 8000 | 3.2 | 51.1 | 52.0 | 53.0 | 55.3 | 57.1 | 57.9 | 58.6 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| ≥ 7000 | 1.4 | 52.1 | 53.4 | 56.1 | 57.2 | 58.2 | 58.9 | 59.6 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| ≥ 6000 | 2.6 | 53.2 | 55.1 | 57.1 | 59.9 | 59.3 | 61.0 | 60.7 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| ≥ 5000 | 3.2 | 59.3 | 61.1 | 63.2 | 65.1 | 65.4 | 66.1 | 66.8 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| ≥ 4500 | 3.2 | 61.4 | 62.1 | 64.6 | 66.4 | 67.1 | 67.9 | 68.6 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| ≥ 4000 | 2.6 | 63.2 | 65.4 | 67.9 | 7.1 | 71.1 | 71.8 | 72.5 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| ≥ 3500 | 3.2 | 64.3 | 66.4 | 68.9 | 71.1 | 72.1 | 72.9 | 73.6 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| ≥ 3000 | 6.1 | 66.4 | 67.3 | 71.8 | 74.6 | 76.1 | 77.1 | 77.9 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 2500 | 67.6 | 68.6 | 71.4 | 74.3 | 77.1 | 78.6 | 79.6 | 80.4 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| ≥ 2000 | 3.2 | 7.1 | 72.9 | 75.7 | 78.6 | 80.0 | 81.1 | 81.9 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| ≥ 1800 | 3.2 | 7.1 | 72.9 | 75.7 | 78.6 | 80.0 | 81.1 | 81.9 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| ≥ 1500 | 3.2 | 71.1 | 73.9 | 76.8 | 79.6 | 81.1 | 82.1 | 82.9 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 1200 | 3.2 | 71.1 | 74.4 | 77.5 | 8.4 | 81.8 | 82.9 | 83.6 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 1000 | 2.1 | 73.2 | 76.4 | 79.6 | 82.5 | 83.9 | 85.1 | 86.1 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 900 | 2.1 | 73.2 | 76.4 | 79.6 | 82.5 | 83.9 | 85.1 | 86.1 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 800 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 700 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 600 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 500 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 400 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 300 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 200 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 100 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 0 | 2.1 | 73.2 | 77.1 | 80.4 | 83.2 | 85.4 | 86.4 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCPLANMET SMOS

SAFETY WEATHER REPORT FOR THE MONTH OF JULY 1952

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

CLIP

NORTH

0

HOUSE 1.5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 2.7 | 24.6 | 21.9 | 22.2 | 23.1 | 3.7 | 34.5 | 24.5 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 20000 | 2.7 | 26.3 | 37.7 | 39.1 | 41.0 | 41.4 | 42.3 | 41.3 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| ≥ 18000 | 2.7 | 26.7 | 37.7 | 39.1 | 41.0 | 41.4 | 42.3 | 41.3 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| ≥ 16000 | 2.7 | 26.6 | 37.3 | 39.4 | 41.2 | 41.3 | 42.6 | 42.6 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 14000 | 2.1 | 29.4 | 40.1 | 42.3 | 44.7 | 44.7 | 45.4 | 45.4 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 12000 | 2.1 | 43.2 | 44.7 | 46.1 | 47.2 | 48.6 | 49.3 | 49.3 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 10000 | 16.2 | 47.2 | 47.2 | 50.4 | 52.1 | 53.2 | 53.2 | 53.7 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 9000 | 47.2 | 44.2 | 41.3 | 51.4 | 53.2 | 54.2 | 54.9 | 54.9 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| ≥ 8000 | 1.4 | 51.2 | 51.2 | 55.6 | 57.4 | 58.5 | 59.2 | 59.2 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| ≥ 7000 | 2.7 | 53.9 | 54.9 | 57.4 | 59.2 | 60.2 | 60.2 | 60.9 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| ≥ 6000 | 4.2 | 54.6 | 54.6 | 57.5 | 59.2 | 61.3 | 62.0 | 62.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 5000 | 6.7 | 59.2 | 61.6 | 63.7 | 64.7 | 65.9 | 66.6 | 66.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| ≥ 4500 | 6.7 | 61.3 | 62.7 | 65.1 | 66.7 | 68.7 | 68.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 4000 | 3.7 | 64.1 | 66.2 | 69.4 | 71.8 | 72.4 | 73.6 | 73.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 3500 | 4.2 | 65.7 | 69.0 | 71.5 | 73.9 | 75.7 | 75.7 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 3000 | 6.7 | 67.6 | 70.4 | 72.9 | 75.4 | 76.4 | 77.5 | 77.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 2500 | 2.7 | 72.4 | 72.5 | 75.7 | 78.2 | 79.2 | 80.3 | 80.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 2000 | 2.1 | 71.1 | 71.3 | 77.5 | 79.9 | 81.0 | 82.0 | 82.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 1800 | 2.1 | 71.1 | 74.3 | 77.5 | 79.9 | 81.0 | 82.0 | 82.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 1500 | 2.1 | 72.2 | 75.4 | 76.5 | 81.0 | 82.0 | 83.1 | 83.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥ 1200 | 2.7 | 73.6 | 77.1 | 81.3 | 82.3 | 83.8 | 84.9 | 84.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 1000 | 2.7 | 74.7 | 78.5 | 82.4 | 84.9 | 85.9 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 900 | 2.7 | 74.7 | 78.5 | 82.4 | 84.9 | 85.9 | 87.7 | 87.7 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 800 | 2.7 | 75.0 | 79.2 | 83.1 | 85.6 | 87.7 | 88.0 | 88.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 700 | 2.7 | 75.0 | 79.2 | 83.1 | 85.6 | 87.7 | 88.0 | 88.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 600 | 2.7 | 75.0 | 79.2 | 83.1 | 85.6 | 87.7 | 88.0 | 88.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 500 | 2.7 | 75.4 | 81.3 | 84.5 | 88.0 | 90.1 | 91.6 | 91.6 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 400 | 2.7 | 75.4 | 81.3 | 84.5 | 88.0 | 90.1 | 91.6 | 91.6 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 300 | 2.7 | 75.7 | 81.6 | 84.9 | 89.8 | 92.6 | 94.4 | 94.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 200 | 4.7 | 76.1 | 81.6 | 85.6 | 90.5 | 93.7 | 95.4 | 95.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 100 | 4.7 | 76.1 | 81.6 | 85.6 | 90.5 | 93.7 | 95.4 | 95.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 0 | 4.7 | 76.1 | 81.6 | 85.6 | 90.5 | 93.7 | 95.4 | 95.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |

TOTAL NUMBER OF OBSERVATIONS

2.4

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|------|------|------|-------|------|-------|------|------|------|------|------|------|------|-----|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .8 | ≥ .6 | ≥ .4 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ 0 |
| NO CEILING | 1.1 | 2.7 | 7.2 | 24.2 | 74.5 | 24.7 | 75.1 | 25.2 | 25.2 | 25.2 | 25.2 | 25.3 | 25.3 | 25.3 | 25.4 | |
| ≥ 70000 | 1.1 | 3.7 | 31.1 | 32.6 | 73.0 | 33.2 | 33.8 | 33.9 | 33.9 | 33.9 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | |
| ≥ 18000 | 1.1 | 3.7 | 21.3 | 32.7 | 73.2 | 33.4 | 34.0 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.2 | |
| ≥ 16000 | 1.1 | 3.7 | 31.1 | 33.1 | 33.1 | 33.1 | 34.4 | 34.5 | 34.6 | 34.6 | 34.6 | 34.7 | 34.7 | 34.7 | 34.8 | |
| ≥ 14000 | 1.1 | 3.7 | 34.4 | 35.1 | 76.4 | 36.6 | 7.1 | 37.3 | 37.3 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.5 | |
| ≥ 12000 | 1.1 | 3.7 | 37.1 | 40.1 | 40.8 | 40.8 | 41.3 | 41.5 | 41.5 | 41.5 | 41.5 | 41.6 | 41.6 | 41.6 | 41.7 | |
| ≥ 10000 | 1.1 | 3.7 | 37.9 | 41.3 | 43.2 | 43.7 | 44.1 | 44.5 | 44.7 | 44.7 | 44.8 | 44.8 | 44.9 | 44.9 | 44.9 | |
| ≥ 9000 | 1.1 | 3.7 | 40.8 | 42.2 | 44.2 | 44.5 | 44.7 | 45.5 | 45.6 | 45.7 | 45.7 | 45.7 | 45.8 | 45.8 | 45.9 | |
| ≥ 8000 | 1.1 | 3.7 | 43.7 | 45.2 | 47.2 | 47.7 | 48.2 | 48.7 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.2 | |
| ≥ 7000 | 1.1 | 3.7 | 44.5 | 45.9 | 48.1 | 48.6 | 49.0 | 49.6 | 49.7 | 49.8 | 49.8 | 49.8 | 49.9 | 49.9 | 50.0 | |
| ≥ 6000 | 1.1 | 3.7 | 45.4 | 46.9 | 49.1 | 49.6 | 50.0 | 50.6 | 50.7 | 50.8 | 50.8 | 50.8 | 50.9 | 51.0 | 51.0 | |
| ≥ 5000 | 1.1 | 3.7 | 46.4 | 50.1 | 52.4 | 52.9 | 53.2 | 54.0 | 54.2 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.5 | |
| ≥ 4500 | 1.1 | 3.7 | 47.4 | 51.2 | 54.7 | 54.8 | 55.2 | 56.0 | 56.1 | 56.2 | 56.3 | 56.3 | 56.3 | 56.4 | 56.5 | |
| ≥ 4000 | 1.1 | 3.7 | 48.3 | 52.3 | 56.2 | 56.2 | 57.7 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.9 | 58.9 | 59.0 | |
| ≥ 3500 | 1.1 | 3.7 | 49.2 | 53.2 | 56.9 | 56.9 | 59.4 | 60.7 | 60.9 | 61.0 | 61.0 | 61.0 | 61.1 | 61.2 | 61.3 | |
| ≥ 3000 | 1.1 | 3.7 | 50.2 | 54.4 | 63.3 | 64.1 | 64.4 | 65.4 | 65.6 | 65.7 | 65.8 | 65.8 | 65.9 | 65.9 | 66.0 | |
| ≥ 2500 | 1.1 | 3.7 | 51.2 | 63.4 | 64.5 | 67.1 | 67.7 | 68.7 | 68.9 | 69.1 | 69.1 | 69.1 | 69.2 | 69.3 | 69.4 | |
| ≥ 2000 | 1.1 | 3.7 | 52.0 | 64.7 | 68.1 | 69.1 | 69.4 | 70.6 | 70.9 | 71.0 | 71.1 | 71.1 | 71.2 | 71.2 | 71.3 | |
| ≥ 1800 | 1.1 | 3.7 | 52.6 | 64.4 | 69.1 | 69.7 | 69.4 | 70.6 | 70.9 | 71.0 | 71.1 | 71.1 | 71.2 | 71.2 | 71.3 | |
| ≥ 1500 | 1.1 | 3.7 | 53.2 | 65.5 | 69.8 | 70.7 | 71.2 | 72.3 | 72.6 | 72.8 | 72.9 | 72.9 | 72.9 | 73.0 | 73.1 | |
| ≥ 1200 | 1.1 | 3.7 | 53.8 | 67.8 | 71.2 | 72.1 | 72.6 | 73.7 | 74.0 | 74.2 | 74.3 | 74.3 | 74.3 | 74.4 | 74.5 | |
| ≥ 1000 | 1.1 | 3.7 | 54.2 | 69.3 | 73.2 | 74.1 | 74.6 | 75.9 | 76.0 | 76.3 | 76.3 | 76.3 | 76.4 | 76.5 | 76.6 | |
| ≥ 900 | 1.1 | 3.7 | 54.7 | 69.5 | 73.9 | 74.8 | 75.3 | 76.5 | 76.8 | 77.0 | 77.0 | 77.0 | 77.1 | 77.2 | 77.3 | |
| ≥ 800 | 1.1 | 3.7 | 55.1 | 70.9 | 74.9 | 75.9 | 76.4 | 77.6 | 77.8 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.3 | |
| ≥ 700 | 1.1 | 3.7 | 55.7 | 71.6 | 75.7 | 76.7 | 77.2 | 78.4 | 78.6 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.1 | |
| ≥ 600 | 1.1 | 3.7 | 56.3 | 72.9 | 77.1 | 78.1 | 78.6 | 80.3 | 80.6 | 80.9 | 80.9 | 80.9 | 81.0 | 81.1 | 81.2 | |
| ≥ 500 | 1.1 | 3.7 | 56.9 | 73.9 | 78.1 | 79.1 | 80.6 | 83.1 | 83.5 | 83.8 | 83.8 | 83.9 | 84.0 | 84.0 | 84.1 | |
| ≥ 400 | 1.1 | 3.7 | 57.5 | 75.1 | 80.6 | 82.3 | 83.5 | 86.1 | 86.7 | 87.3 | 87.4 | 87.6 | 87.7 | 87.7 | 87.8 | |
| ≥ 300 | 1.1 | 3.7 | 58.1 | 75.7 | 82.1 | 84.2 | 85.7 | 89.1 | 90.1 | 90.7 | 91.1 | 91.2 | 91.4 | 91.4 | 91.6 | |
| ≥ 200 | 1.1 | 3.7 | 58.7 | 76.0 | 82.5 | 84.9 | 86.9 | 91.2 | 92.8 | 93.8 | 94.5 | 94.7 | 94.9 | 95.1 | 95.2 | |
| ≥ 100 | 1.1 | 3.7 | 59.2 | 76.5 | 83.5 | 84.9 | 87.0 | 92.0 | 93.7 | 95.1 | 96.0 | 96.4 | 97.2 | 98.1 | 98.5 | |
| ≥ 0 | 1.1 | 3.7 | 72.2 | 76.0 | 82.5 | 84.9 | 87.0 | 92.0 | 93.7 | 95.1 | 96.0 | 96.4 | 97.2 | 98.1 | 98.6 | |

TOTAL NUMBER OF OBSERVATIONS 2351

DIRNAVCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION NAME: ALBUQUERQUE STATION NUMBER: 12572 YEARS: 1951-1959 AUC: 1
 NORTH
 HOUSE: 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0 | ≥ 0 |
| NO CEILING | 25.7 | 24.7 | 26.0 | 7.0 | 27.7 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| ≥ 20000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 18000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 16000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 14000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 12000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 10000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 9000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 8000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 7000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 6000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 5000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 4500 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 4000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 3500 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 3000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 2500 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 2000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 1800 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 1500 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 1200 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 1000 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 900 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 800 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 700 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 600 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 500 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 400 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 300 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 200 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 100 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| IV 0 | 25.4 | 3.1 | 31.4 | 32.4 | 33.1 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |

TOTAL NUMBER OF OBSERVATIONS: 10000

DATA SOURCE: ANMET SMOS

CEILING VERSUS VISIBILITY

NAME OF STATION: _____

STATION:

STATION NAME:

YEARS:

MONTH:

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.
HOURS: 1.5

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 0 | 1 | 22.9 | 32.5 | 36.9 | 36.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| ≥ 20000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 18000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 16000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 14000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 12000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 10000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 9000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 8000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 7000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 6000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 5000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 4500 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 4000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 3500 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 3000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 2500 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 2000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 1800 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 1500 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 1200 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 1000 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 900 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 800 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 700 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 600 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 500 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 400 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 300 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 200 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 100 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 0 | 0 | 1 | 31.2 | 32.5 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |

TOTAL NUMBER OF OBSERVATIONS

301

DATA SOURCE: ANMET - SMUS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | 2.6 | 31.6 | 23.7 | 24.4 | 5.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| ≥ 20000 | 2.6 | 31.6 | 33.2 | 33.7 | 34.0 | 34.7 | 34.7 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 |
| IV 18000 | 2.6 | 33.2 | 33.7 | 34.2 | 34.7 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| IV 16000 | 2.6 | 34.8 | 34.8 | 35.3 | 35.7 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| IV 14000 | 2.6 | 36.3 | 36.3 | 36.8 | 37.3 | 37.7 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| IV 12000 | 2.6 | 37.9 | 37.9 | 38.4 | 38.9 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| IV 10000 | 2.6 | 39.5 | 39.5 | 40.0 | 40.5 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| IV 9000 | 2.6 | 41.1 | 41.1 | 41.6 | 42.1 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| IV 8000 | 2.6 | 42.7 | 42.7 | 43.2 | 43.7 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| IV 7000 | 2.6 | 44.3 | 44.3 | 44.8 | 45.3 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| IV 6000 | 2.6 | 45.9 | 45.9 | 46.4 | 46.9 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| IV 5000 | 2.6 | 47.5 | 47.5 | 48.0 | 48.5 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| IV 4500 | 2.6 | 49.1 | 49.1 | 49.6 | 50.1 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| IV 4000 | 2.6 | 50.7 | 50.7 | 51.2 | 51.7 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| IV 3500 | 2.6 | 52.3 | 52.3 | 52.8 | 53.3 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| IV 3000 | 2.6 | 53.9 | 53.9 | 54.4 | 54.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| IV 2500 | 2.6 | 55.5 | 55.5 | 56.0 | 56.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| IV 2000 | 2.6 | 57.1 | 57.1 | 57.6 | 58.1 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| IV 1800 | 2.6 | 58.7 | 58.7 | 59.2 | 59.7 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| IV 1500 | 2.6 | 60.3 | 60.3 | 60.8 | 61.3 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 1200 | 2.6 | 61.9 | 61.9 | 62.4 | 62.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| IV 1000 | 2.6 | 63.5 | 63.5 | 64.0 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| IV 900 | 2.6 | 65.1 | 65.1 | 65.6 | 66.1 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| IV 800 | 2.6 | 66.7 | 66.7 | 67.2 | 67.7 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| IV 700 | 2.6 | 68.3 | 68.3 | 68.8 | 69.3 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| IV 600 | 2.6 | 69.9 | 69.9 | 70.4 | 70.9 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| IV 500 | 2.6 | 71.5 | 71.5 | 72.0 | 72.5 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| IV 400 | 2.6 | 73.1 | 73.1 | 73.6 | 74.1 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| IV 300 | 2.6 | 74.7 | 74.7 | 75.2 | 75.7 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| IV 200 | 2.6 | 76.3 | 76.3 | 76.8 | 77.3 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| IV 100 | 2.6 | 77.9 | 77.9 | 78.4 | 78.9 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| IV 0 | 2.6 | 79.5 | 79.5 | 80.0 | 80.5 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMUS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|---------|-----|-------|-------|-------|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 20000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 18000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 16000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 14000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 12000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 10000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 9000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 8000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 7000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 6000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 5000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 4500 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 4000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 3500 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 3000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 2500 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 2000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 1800 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 1500 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 1200 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 1000 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 900 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 800 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 700 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 600 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 500 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 400 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 300 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 200 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 100 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |
| ≥ 0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 | 1.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

274

DATA SOURCE AND SET

WMS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 40.5 | 44.5 | 44.5 | 40.6 | 40.5 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 20000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 18000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 16000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 14000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 12000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 10000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 9000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 8000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 7000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 6000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 5000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 4500 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 4000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 3500 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 3000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 2500 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 2000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 1800 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 1500 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 1200 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 1000 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 900 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 800 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 700 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 600 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 500 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 400 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 300 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 200 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 100 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 0 | 1.1 | 22.4 | 22.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |

TOTAL NUMBER OF OBSERVATIONS

2-P

DATA AVAILABLE

Received 25 September 2002; accepted 12 November 2002

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NOTATION

78498

POST

NOV 22 1990

[illegible]

TOTAL NUMBER OF OBSERVATIONS

8

221R*4A VOCLAN*AT T SM: 25

WIND WEATHER AND VISIBILITY RECORD

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 36.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥ 20000 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 18000 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 16000 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥ 14000 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 12000 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 10000 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| ≥ 9000 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| ≥ 8000 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 7000 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| ≥ 6000 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| ≥ 5000 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥ 4500 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 4000 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 3500 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 3000 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 2500 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 2000 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 1800 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 1600 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 1400 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 1200 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 1000 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 900 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 800 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 700 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 600 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 500 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 400 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 300 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 200 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

307

DIRNAVCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT AFB, FLA.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

1
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|------|------|------|---------|------|---------|---------|------|-------|-------|-------|-------|--------|------|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 0.0 | 0.0 | 33.6 | 33.6 | 30.6 | 29.0 | 33.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| IV 20000 | 0.0 | 0.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| IV 18000 | 0.0 | 0.0 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 16000 | 0.0 | 0.0 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| IV 14000 | 0.0 | 0.0 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| IV 12000 | 0.0 | 0.0 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| IV 10000 | 0.0 | 0.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| IV 9000 | 0.0 | 0.0 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| IV 8000 | 0.0 | 0.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| IV 7000 | 0.0 | 0.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| IV 6000 | 0.0 | 0.0 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| IV 5000 | 0.0 | 0.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| IV 4500 | 0.0 | 0.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| IV 4000 | 0.0 | 0.0 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| IV 3500 | 0.0 | 0.0 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| IV 3000 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 2500 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 2000 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 1800 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 1500 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 1200 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 1000 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 900 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 800 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 700 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 600 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 500 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 400 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 300 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 200 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 100 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| IV 0 | 0.0 | 0.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |

TOTAL NUMBER OF OBSERVATIONS 26

DIRNAVCEANMET SMOS

Figure 1. The effect of the concentration of the H_2O_2 solution on the amount of the H_2O_2 consumed in the reaction of the H_2O_2 with the Fe^{2+} ion.

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MOVES 1 2 3

11

102

DIRNAVCEANMF T SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 1.0 | 43.5 | 44.2 | 44.4 | 45.4 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 20000 | 1.0 | 57.1 | 53.2 | 54.5 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 18000 | 1.0 | 57.1 | 53.1 | 53.9 | 54.7 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 16000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 14000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 12000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 10000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 9000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 8000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 7000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 6000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 5000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 4500 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 4000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 3500 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 3000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 2500 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 2000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 1800 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 1600 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 1400 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 1200 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 1000 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 900 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 800 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 700 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 600 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 500 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 400 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 300 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 200 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 100 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 0 | 1.0 | 57.1 | 53.1 | 53.5 | 54.2 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |

TOTAL NUMBER OF OBSERVATIONS 2

DIRECTOR MET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 41.7 | 41.7 | 41.7 | 41.3 | 41.3 | 41.7 | 42.0 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.2 | 42.2 |
| ≥ 20000 | 41.7 | 41.7 | 50.6 | 1.1 | 51.0 | 51.7 | 51.8 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 |
| ≥ 18000 | 41.7 | 41.7 | 51.3 | 51.3 | 51.4 | 2.0 | 52.1 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 |
| ≥ 16000 | 41.7 | 41.7 | 51.6 | 52.1 | 52.5 | 52.8 | 52.9 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 | 53.2 |
| ≥ 14000 | 41.7 | 41.7 | 53.6 | 54.2 | 54.3 | 54.5 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 |
| ≥ 12000 | 41.7 | 41.7 | 54.8 | 55.5 | 56.4 | 57.1 | 57.4 | 57.5 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 |
| ≥ 10000 | 57.0 | 57.0 | 58.7 | 58.9 | 59.5 | 61.1 | 61.2 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 |
| ≥ 9000 | 58.3 | 58.3 | 59.5 | 60.2 | 61.1 | 61.4 | 61.6 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 62.0 | 62.0 |
| ≥ 8000 | 60.3 | 60.3 | 62.3 | 63.1 | 64.1 | 64.4 | 64.5 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.0 | 65.0 |
| ≥ 7000 | 62.0 | 62.0 | 63.4 | 64.1 | 65.1 | 65.4 | 65.6 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 |
| ≥ 6000 | 63.3 | 63.3 | 64.8 | 65.6 | 66.7 | 67.0 | 67.1 | 67.4 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 |
| ≥ 5000 | 66.2 | 66.2 | 69.7 | 72.5 | 71.1 | 71.9 | 72.1 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 |
| ≥ 4500 | 71.9 | 71.9 | 72.5 | 73.5 | 74.5 | 74.9 | 75.1 | 75.1 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 |
| ≥ 4000 | 74.3 | 74.3 | 75.1 | 77.1 | 77.3 | 78.6 | 78.9 | 79.3 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 |
| ≥ 3500 | 76.9 | 76.9 | 77.7 | 79.7 | 81.0 | 81.3 | 81.6 | 82.1 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 |
| ≥ 3000 | 82.2 | 82.2 | 84.2 | 85.3 | 86.8 | 87.1 | 87.4 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 |
| ≥ 2500 | 84.2 | 84.2 | 85.7 | 86.7 | 88.5 | 89.2 | 89.6 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 |
| ≥ 2000 | 88.0 | 88.0 | 90.1 | 91.6 | 93.4 | 93.8 | 94.2 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 |
| ≥ 1800 | 88.0 | 88.0 | 90.1 | 91.6 | 93.4 | 93.8 | 94.2 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 |
| ≥ 1500 | 88.9 | 88.9 | 91.0 | 92.7 | 94.5 | 94.9 | 95.3 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 |
| ≥ 1200 | 89.4 | 89.4 | 91.7 | 93.4 | 95.5 | 95.9 | 96.3 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 |
| ≥ 1000 | 89.4 | 89.4 | 91.6 | 93.6 | 95.8 | 96.3 | 96.7 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 |
| ≥ 900 | 89.5 | 89.5 | 91.6 | 93.6 | 95.8 | 96.3 | 96.7 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 |
| ≥ 800 | 89.7 | 89.7 | 92.1 | 94.0 | 96.4 | 97.0 | 97.5 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 |
| ≥ 700 | 89.7 | 89.7 | 92.2 | 94.2 | 96.6 | 97.3 | 97.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| ≥ 600 | 89.7 | 89.7 | 92.3 | 94.2 | 96.6 | 97.5 | 97.9 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 |
| ≥ 500 | 89.7 | 89.7 | 92.3 | 94.4 | 97.1 | 97.9 | 98.3 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 400 | 89.7 | 89.7 | 92.3 | 94.4 | 97.1 | 97.9 | 98.3 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 300 | 89.7 | 89.7 | 92.3 | 94.4 | 97.2 | 97.9 | 98.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 200 | 89.7 | 89.7 | 92.3 | 94.4 | 97.2 | 97.9 | 98.5 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 100 | 89.7 | 89.7 | 92.3 | 94.4 | 97.2 | 97.9 | 98.5 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 0 | 89.7 | 89.7 | 92.3 | 94.4 | 97.2 | 97.9 | 98.5 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 2328

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE, PANGLOSS POINT, ALASKA

STATION

STATION NAME

YEAR

NOV
NORTH

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|-----|---------|------|---------|---------|------|-------|-------|-------|-------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 3/8 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 36.5 | 35.7 | 35.3 | 34.6 | 36. | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 20000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 18000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 16000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 14000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 12000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 10000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 9000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 8000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 7000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 6000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 5000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 4500 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 4000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 3500 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 3000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 2500 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 2000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 1800 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 1500 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 1200 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 1000 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 900 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 800 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 700 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 600 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 500 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 400 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 300 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 200 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 100 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 0 | 42.0 | 42.6 | 42.6 | 43. | 43. | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |

TOTAL NUMBER OF OBSERVATIONS

2 4

DINA VOCEANMET SMUS

CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

YEAR

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE NO.

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 20000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 18000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 16000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 14000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 12000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 10000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 9000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 8000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 7000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 6000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 5000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 4500 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 4000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 3500 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 3000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 2500 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 2000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 1800 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 1500 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 1200 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 1000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 900 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 800 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 700 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 600 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 500 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 400 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 300 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 200 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 100 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| 0 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |

TOTAL NUMBER OF OBSERVATIONS 251

DIR NAVJOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 20000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 18000 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 16000 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 14000 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 12000 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| ≥ 10000 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥ 9000 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| ≥ 8000 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥ 7000 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| ≥ 6000 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 5000 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| ≥ 4500 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| ≥ 4000 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| ≥ 3500 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| ≥ 3000 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| ≥ 2500 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 2000 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 1800 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 1500 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 1200 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 1000 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 900 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 800 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 700 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 600 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 500 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 400 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 300 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 200 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE: ANMET - SMON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 31.1 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| ≥ 20000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 18000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 16000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 14000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 12000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 10000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 9000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 8000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 7000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 6000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 5000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 4500 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 4000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 3500 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 3000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 2500 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 2000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 1800 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 1500 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 1200 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 1000 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 900 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 800 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 700 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 600 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 500 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 400 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 300 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 200 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 100 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 0 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |

TOTAL NUMBER OF OBSERVATIONS

NO. OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 |
| NO CEILING | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 |
| ≥ 20000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 18000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 16000 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 14000 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥ 12000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 10000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 9000 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 8000 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| ≥ 7000 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 6000 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 5000 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 4500 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 4000 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 3500 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 3000 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| ≥ 2500 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 2000 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 1800 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 1500 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 1200 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 1000 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 900 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 800 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 700 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 600 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 500 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 400 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 300 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 200 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 100 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |

TOTAL NUMBER OF OBSERVATIONS

WIND VELOCITY

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NUMBER OF

| CEILING
FEET | VISIBILITY - STATUTE MILES: | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|-----|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 3.0 | 3.0 | 1.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| ≥ 20000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 18000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 16000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 14000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 12000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 10000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 9000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 8000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 7000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 6000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 5000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 4500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 4000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 3500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 3000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 2500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 2000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 1800 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 1600 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 1400 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 1200 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 1000 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 900 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 800 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 700 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 600 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 500 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 400 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 300 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 200 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 100 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 0 | 1.0 | 1.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |

TOTAL NUMBER OF OBSERVATIONS

UNITED STATES AIR FORCE

PART E

PSYCHROMETRIC SUMMARIES

Psychrometric data are presented various summaries of dry- and wet-bulb temperature, dew-point, and relative humidity. The various manner of presentation follow:

- a. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature in 1-degree Fahrenheit increment, plus mean temperature, standard deviation, and total number of observations in each temperature bin as follows:

- a. Daily maximum temperature
- b. Daily minimum temperature
- c. Daily mean temperature

- b. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extreme values given for a month if all days of that month contain valid observation. All months for a year that have valid extreme values the annual value is selected for that year. Means and standard deviation are computed for each month and annual when 3 or more values are present for any column. The table of daily extreme temperatures are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

Mean, standard deviation, and standard error computation of monthly mean wet-bulb temperature, monthly mean wet-bulb temperature, monthly mean wet-bulb temperature, and monthly mean wet-bulb temperature.

- c. The main body of the summary consists of bivariate percentage frequency distribution of wet-bulb temperature in 1-degree Fahrenheit spread horizontally; by 1-degree intervals of dry-bulb temperature vertically. It is provided for each 1-degree temperature interval in the following: Observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperature separately. Total observations for the 1-degree interval is also provided in two lines at end of each tabulation table, showing dry-bulb temperature in the line.

NOTE: A percentage frequency in this table of 1.0 represent one degree difference amounting to less than 1.0 percent.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

ALL
MONTH

PER
HOUR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|------|------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .4 | ≥ .3 | ≥ .25 | ≥ .2 | ≥ .15 | ≥ .1 |
| NO CEILING | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 20000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| > 18000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 16000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 14000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 12000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 10000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 9000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 8000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 7000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 6000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 5000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 4500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 4000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 3500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 3000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 2500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 2000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 1000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 900 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 700 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS

UNAVAILABILITY

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TABLE 1.1

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|------|------|------|------|------|-----|
| | ≥ 10 | ≥ 8 | ≥ 6 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .8 | ≥ .6 | ≥ .4 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ 0 |
| NO CEILING | 1.0 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 70000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 18000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 16000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 14000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 12000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 10000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 9000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 8000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 7000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 6000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 5000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 4500 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 4000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 3500 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 3000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 2500 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 2000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 1800 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 1500 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 1200 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 1000 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 900 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 800 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 700 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 600 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 500 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 400 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 300 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 200 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 100 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| ≥ 0 | 1.1 | 1.4 | 1.7 | 2.1 | 2.6 | 3.1 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS

2424

UNCLASSIFIED

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 1.0 | 34.1 | 31.7 | 30.4 | 28.4 | 25.4 | 20.4 | 15.4 | 10.4 | 7.4 | 5.4 | 3.4 | 2.4 | 1.4 | 0.4 | 0.4 |
| ≥ 20000 | 1.0 | 34.1 | 31.7 | 30.4 | 28.4 | 25.4 | 20.4 | 15.4 | 10.4 | 7.4 | 5.4 | 3.4 | 2.4 | 1.4 | 0.4 | 0.4 |
| ≥ 18000 | 1.0 | 34.1 | 31.7 | 30.4 | 28.4 | 25.4 | 20.4 | 15.4 | 10.4 | 7.4 | 5.4 | 3.4 | 2.4 | 1.4 | 0.4 | 0.4 |
| ≥ 16000 | 1.0 | 34.1 | 31.7 | 30.4 | 28.4 | 25.4 | 20.4 | 15.4 | 10.4 | 7.4 | 5.4 | 3.4 | 2.4 | 1.4 | 0.4 | 0.4 |
| ≥ 14000 | 1.0 | 34.1 | 31.7 | 30.4 | 28.4 | 25.4 | 20.4 | 15.4 | 10.4 | 7.4 | 5.4 | 3.4 | 2.4 | 1.4 | 0.4 | 0.4 |
| ≥ 12000 | 1.0 | 34.1 | 31.7 | 30.4 | 28.4 | 25.4 | 20.4 | 15.4 | 10.4 | 7.4 | 5.4 | 3.4 | 2.4 | 1.4 | 0.4 | 0.4 |
| ≥ 10000 | 1.0 | 34.1 | 31.7 | 30.4 | 28.4 | 25.4 | 20.4 | 15.4 | 10.4 | 7.4 | 5.4 | 3.4 | 2.4 | 1.4 | 0.4 | 0.4 |
| ≥ 9000 | 2.1 | 42.7 | 40.7 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 8000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 7000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 6000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 5000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 4500 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 4000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 3500 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 3000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 2500 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 2000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 1800 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 1500 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 1200 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 1000 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 900 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 800 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 700 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 600 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 500 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 400 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 300 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 200 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 100 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| ≥ 0 | 2.1 | 44.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|---------|------|---------|---------|------|-------|-------|--------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 3 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 3/8 | ≥ 3/16 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 |
| ≥ 20000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 18000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 16000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 14000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 12000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 10000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 9000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 8000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 7000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 6000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 5000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 4500 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 4000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 3500 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 3000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 2500 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 2000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 1800 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 1500 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 1200 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 1000 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 900 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 800 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 700 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 600 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 500 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 400 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 300 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 200 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 100 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 0 | 41.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |

TOTAL NUMBER OF OBSERVATIONS 303

DATA SOURCE: ANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 |
| NO CEILING | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| ≥ 20000 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 18000 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 16000 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥ 14000 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| ≥ 12000 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| ≥ 10000 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| ≥ 9000 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 8000 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 7000 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| ≥ 6000 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 5000 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 4500 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 4000 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| ≥ 3500 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 3000 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| ≥ 2500 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 2000 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 1800 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 1600 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 1400 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 1200 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 1000 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 900 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 800 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 700 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 600 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 500 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 400 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 300 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 200 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 100 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

000
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ¾ | ≥ 0 |
| NO CEILING | 1.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 70000 | 4.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 18000 | 4.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 16000 | 1.0 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 14000 | 1.0 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 12000 | 1.0 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| IV 10000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 9000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 8000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 7000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 6000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 5000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 4500 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 4000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 3500 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 3000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 2500 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 2000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 1800 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 1500 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 1200 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 1000 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 900 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 800 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 700 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 600 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 500 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 400 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 300 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 200 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 100 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| IV 0 | 4.0 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |

TOTAL NUMBER OF OBSERVATIONS 203

DIRNAVCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|---------|-----|-------|-------|-------|-------|--------|-----|
| | ≥ 10 | ≥ 8 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| NO CEILING | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 20000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 18000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 16000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 14000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 12000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 10000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 9000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 8000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 7000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 6000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 5000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 4000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 3000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 2000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 1000 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 900 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 800 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 700 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 600 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 500 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 400 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 300 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ≥ 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

NATIONAL WEATHER SERVICE BULLETIN AND WIRE REPORT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 20000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 18000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 16000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 14000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 12000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 10000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 9000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 8000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 7000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 6000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 5000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 4500 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 4000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 3500 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 3000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 2500 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 2000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 1800 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 1500 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 1200 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 1000 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 900 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 800 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 700 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 600 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 500 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 400 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 300 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 200 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 100 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 0 | 3.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |

TOTAL NUMBER OF OBSERVATIONS

FC1

GRAPHIC PRESENTATION

NAVAL WEATHER SERVICE STATION AIR REPORT

CEILING VERSUS VISIBILITY

STATION

4, 0, 4, 1

STATION NAME

1, 1, 1, 1

YEARS

DEC
MONTH

71
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 31.7 | 71.3 | 71.3 | 71.7 | 71.7 | 71.3 | 71.7 | 71.3 | 71.7 | 71.3 | 71.7 | 71.3 | 71.7 | 71.3 |
| ≥ 20000 | 7.4 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 18000 | 7.4 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 16000 | 7.4 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 14000 | 7.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥ 12000 | 7.4 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 10000 | 7.4 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 |
| ≥ 9000 | 7.4 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| ≥ 8000 | 7.4 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| ≥ 7000 | 7.4 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| ≥ 6000 | 7.4 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| ≥ 5000 | 7.4 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 4500 | 7.4 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| ≥ 4000 | 7.4 | 53.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 3500 | 7.4 | 56.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥ 3000 | 7.4 | 62.7 | 63.6 | 64.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 2500 | 7.4 | 72.9 | 74.6 | 75.3 | 76.7 | 77.0 | 77.0 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 2000 | 7.4 | 81.1 | 83.9 | 84.9 | 86.3 | 88.0 | 88.0 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 1800 | 7.4 | 81.1 | 83.9 | 84.9 | 86.3 | 88.3 | 88.3 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 1500 | 7.4 | 82.1 | 84.9 | 86.3 | 88.3 | 90.7 | 91.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 1200 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.1 | 91.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 1000 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 900 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 800 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 700 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 600 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 500 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 400 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 300 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 200 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 100 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 0 | 7.4 | 82.5 | 85.6 | 86.9 | 89.7 | 91.4 | 92.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |

TOTAL NUMBER OF OBSERVATIONS

71

DIRNAVCEANMET SMOS

[illegible]

MONITOR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | ≥ 0 |
| NO CEILING | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| ≥ 70000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 8000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 16000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 14000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 12000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 10000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 9000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 8000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 7000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 6000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 5000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 4500 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 4000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 3500 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 3000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 2500 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 2000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 1800 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 1500 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 1200 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 1000 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 900 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 800 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 700 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 600 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 500 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 400 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 300 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 200 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 100 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 0 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |

TOTAL NUMBER OF OBSERVATIONS 302

LITHAVOCEANMET 5MOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|-------|--------|-------|--------|--------|-------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ 0.75 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0 |
| NO CEILING | .1 | 31.7 | 75.5 | 91.2 | 95.7 | 96.7 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 20000 | 41.9 | 42.1 | 44.7 | 47.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| IV 18000 | 42.1 | 42.4 | 44.9 | 47.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| IV 16000 | 42.4 | 43.1 | 45.1 | 47.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| IV 14000 | 42.6 | 43.4 | 45.6 | 48.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| IV 12000 | 42.8 | 43.7 | 45.9 | 48.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| IV 10000 | 43.1 | 44.1 | 46.3 | 48.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| IV 9000 | 43.4 | 44.4 | 46.6 | 49.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| IV 8000 | 43.7 | 44.7 | 46.9 | 49.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| IV 7000 | 44.0 | 45.0 | 47.2 | 49.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| IV 6000 | 44.3 | 45.3 | 47.5 | 49.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| IV 5000 | 44.6 | 45.6 | 47.8 | 50.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| IV 4500 | 44.9 | 45.9 | 48.1 | 50.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| IV 4000 | 45.2 | 46.2 | 48.4 | 50.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| IV 3500 | 45.5 | 46.5 | 48.7 | 51.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| IV 3000 | 45.8 | 46.8 | 49.0 | 51.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| IV 2500 | 46.1 | 47.1 | 49.3 | 51.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| IV 2000 | 46.4 | 47.4 | 49.6 | 52.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| IV 1800 | 46.7 | 47.7 | 49.9 | 52.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| IV 1600 | 47.0 | 48.0 | 50.2 | 52.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| IV 1400 | 47.3 | 48.3 | 50.5 | 52.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| IV 1200 | 47.6 | 48.6 | 50.8 | 53.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| IV 1000 | 47.9 | 48.9 | 51.1 | 53.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| IV 900 | 48.2 | 49.2 | 51.4 | 53.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| IV 800 | 48.5 | 49.5 | 51.7 | 54.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| IV 700 | 48.8 | 49.8 | 52.0 | 54.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| IV 600 | 49.1 | 50.1 | 52.3 | 54.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| IV 500 | 49.4 | 50.4 | 52.6 | 55.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| IV 400 | 49.7 | 50.7 | 52.9 | 55.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| IV 300 | 50.0 | 51.0 | 53.2 | 55.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| IV 200 | 50.3 | 51.3 | 53.5 | 55.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| IV 100 | 50.6 | 51.6 | 53.8 | 56.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| IV 0 | 50.9 | 51.9 | 54.1 | 56.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |

TOTAL NUMBER OF OBSERVATIONS 2 18

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥ 20000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 18000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 16000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 14000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 12000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 10000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 9000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 8000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 7000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 6000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 5000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 4500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 4000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 3500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 3000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 2500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 2000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 1800 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 1500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 1200 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 1000 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 900 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 800 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 700 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 600 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 500 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 400 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 300 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 200 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 100 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 0 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |

TOTAL NUMBER OF OBSERVATIONS

253

UNCLASSIFIED

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|------|------|-------|------|-------|-------|-------|--------|--------|-------|--------|---------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| NO CEILING | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 20000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 18000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 16000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 14000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 12000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 10000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 9000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 8000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 7000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 6000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 5000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4500 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 3500 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 3000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 2500 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 2000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1800 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1500 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1200 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1000 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 900 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 800 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 700 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 600 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 500 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 400 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 300 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 200 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 100 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 0 | 0.4 | 3.4 | 7.9 | 17.1 | 37.1 | 57.1 | 77.1 | 87.1 | 97.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS

DATA FILE NAME:

11. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the form. These consist of the sum of squares ($\sum X^2$), sum of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

12. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine method for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

13. Mean and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual, and again at the bottom for all years combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

14. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity, by increments of 1% relative, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

15. Summary of climatological data for the period 1946-1958 - This summary is prepared by month and annual, all years combined, and presents the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual, and again at the bottom for all years combined. Records for all years available are combined. Tables are prepared for the following:

DAILY TEMPERATURES

STATION: MIYAKAWA, JAPAN

41-70, 78-80 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 81 | | | | | | | .4 | .6 | | | | | .1 |
| 80 | | | | | | .1 | 4.3 | 6.7 | .5 | | | | 1.0 |
| 79 | | | | | .5 | .6 | 18.1 | 26.2 | 3.3 | | | | 4.1 |
| 78 | | | | | 3.5 | 8.4 | 35.9 | 48.8 | 12.8 | .1 | | | 9.2 |
| 77 | | | | .9 | 15.3 | 21.6 | 53.3 | 73.9 | 36.5 | 1.7 | | | 16.7 |
| 76 | | | | 4.6 | 28.2 | 43.0 | 72.6 | 92.8 | 71.7 | 13.9 | .4 | | 27.4 |
| 75 | | | .4 | 13.6 | 52.2 | 66.5 | 89.1 | 99.4 | 93.1 | 42.6 | 4.7 | | 35.6 |
| 74 | | | 3.1 | 29.7 | 74.6 | 83.9 | 97.1 | 100.0 | 99.2 | 75.2 | 19.1 | 1.1 | 45.7 |
| 73 | .2 | .5 | 6.9 | 53.0 | 89.8 | 95.4 | 99.6 | | 100.0 | 92.8 | 39.9 | 4.8 | 57.0 |
| 72 | 1.1 | 2.7 | 17.9 | 74.1 | 96.5 | 99.6 | 100.0 | | | 98.5 | 62.4 | 14.9 | 64.0 |
| 71 | 6.3 | 9.6 | 34.2 | 91.7 | 99.1 | 100.0 | | | | 99.9 | 80.8 | 29.8 | 74.9 |
| 70 | 19.1 | 25.4 | 62.0 | 97.7 | 99.9 | | | | | 100.0 | 92.1 | 52.7 | 79.1 |
| 69 | 50.1 | 55.3 | 87.0 | 99.9 | 100.0 | | | | | | 97.3 | 77.3 | 88.9 |
| 68 | 70.6 | 83.5 | 97.3 | 100.0 | | | | | | | 99.9 | 94.0 | 96.2 |
| 67 | 97.7 | 96.7 | 99.5 | | | | | | | | 100.0 | 99.1 | 99.4 |
| 66 | 99.8 | 99.6 | 100.0 | | | | | | | | | 99.9 | 99.9 |
| 65 | 100.0 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 64 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
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| 16 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | |
| MEAN | 34.7 | 35.6 | 42.4 | 55.2 | 64.7 | 67.9 | 72.5 | 79.4 | 72.9 | 63.3 | 51.7 | 40.7 | 57.0 |
| S D | 5.922 | 6.471 | 7.556 | 8.152 | 8.081 | 7.923 | 8.752 | 6.834 | 5.874 | 5.811 | 8.245 | 7.925 | 16.937 |
| TOTAL OBS | 337 | 732 | 806 | 772 | 806 | 777 | 806 | 806 | 780 | 806 | 780 | 806 | 9514 |

NAVWEASERVCOM

DAILY TEMPERATURES

440
STATION

MIYAKAWA, JAPAN
STATION NAME

46-72, 78-80
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 70 | | | | | | | 1.1 | 2.0 | .1 | | | | .3 |
| 75 | | | | | | .1 | 12.5 | 23.4 | 1.4 | | | | 3.2 |
| 80 | | | | | .1 | .6 | 36.4 | 64.6 | 15.0 | | | | 9.8 |
| 85 | | | | | .7 | 13.1 | 69.5 | 94.3 | 44.7 | 1.7 | | | 18.8 |
| 90 | | | | .3 | 6.2 | 49.9 | 93.9 | 98.9 | 74.6 | 10.3 | .3 | | 29.0 |
| 95 | | | | 2.4 | 31.5 | 84.7 | 99.1 | 100.0 | 93.6 | 32.6 | 2.8 | .1 | 37.3 |
| 100 | | | .4 | 12.4 | 69.1 | 98.1 | 100.0 | | 99.5 | 64.1 | 11.8 | .2 | 46.4 |
| 105 | .1 | .1 | 3.2 | 32.5 | 92.1 | 99.7 | | | 100.0 | 87.7 | 32.3 | 3.1 | 54.8 |
| 110 | 2.2 | 3.8 | 13.2 | 73.4 | 98.9 | 100.0 | | | | 98.4 | 66.2 | 17.1 | 64.5 |
| 115 | 12.5 | 17.5 | 46.0 | 95.6 | 100.0 | | | | | 100.0 | 90.1 | 45.4 | 75.6 |
| 120 | 41.7 | 40.6 | 79.4 | 99.9 | | | | | | | 98.2 | 75.9 | 86.4 |
| 125 | 76.3 | 72.5 | 95.5 | 100.0 | | | | | | | 100.0 | 94.5 | 95.0 |
| 130 | 95.0 | 95.8 | 100.0 | | | | | | | | | 99.6 | 99.3 |
| 135 | 99.9 | 99.2 | | | | | | | | | | 100.0 | 99.9 |
| 140 | 100.0 | 99.6 | | | | | | | | | | | 100.0 |
| 145 | | 99.7 | | | | | | | | | | | 100.0 |
| 150 | | 100.0 | | | | | | | | | | | 100.0 |
| 155 | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | |
| 165 | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | |
| 175 | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | |
| 185 | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | |
| 195 | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | |
| 205 | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | |
| 215 | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | |
| 230 | | | | | | | | | | | | | |
| 235 | | | | | | | | | | | | | |
| 240 | | | | | | | | | | | | | |
| 245 | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | |
| 255 | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | |
| 265 | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | |
| 275 | | | | | | | | | | | | | |
| 280 | | | | | | | | | | | | | |
| 285 | | | | | | | | | | | | | |
| 290 | | | | | | | | | | | | | |
| 295 | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | |
| MEAN | 27.4 | 23.4 | 25.2 | 38.1 | 46.9 | 54.2 | 62.4 | 66.3 | 58.5 | 46.7 | 37.0 | 25.8 | 42.9 |
| S.D. | 5.22 | 6.33 | 5.47 | 5.43 | 5.11 | 4.71 | 5.63 | 4.40 | 5.62 | 5.95 | 6.08 | 5.89 | 15.60 |
| TOTAL OBS | 37 | 73 | 86 | 77 | 80 | 77 | 80 | 80 | 78 | 80 | 78 | 80 | 95 |

NAVWEASERVCOM

DAILY TEMPERATURES

44-2
STATION

MIYAKA, JAPAN
STATION NAME

45-72, 78-80
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 85 | | | | | | | .2 | 1.4 | | | | | .1 |
| 80 | | | | | | | 6.8 | 10.8 | .6 | | | | 1.5 |
| 75 | | | | | | .4 | 25.2 | 38.5 | 5.3 | | | | 5.9 |
| 70 | | | | | 1.4 | 7.9 | 47.3 | 74.2 | 24.0 | | | | 11.0 |
| 65 | | | | .1 | 6.3 | 29.5 | 72.5 | 96.0 | 59.1 | | | | 22.4 |
| 60 | | | | 2.3 | 26.4 | 64.0 | 91.8 | 100.0 | 90.8 | 20.8 | .8 | | 33.2 |
| 55 | | | | 11.0 | 40.5 | 86.8 | 99.5 | | 99.6 | 56.6 | 7.1 | | 43.5 |
| 50 | .1 | | 2.9 | 31.3 | 87.8 | 97.9 | 100.0 | | 100.0 | 85.9 | 23.8 | 1.4 | 52.7 |
| 45 | .4 | 1.1 | 7.7 | 63.1 | 97.4 | 100.0 | | | | 97.9 | 50.9 | 8.2 | 60.6 |
| 40 | 3.0 | 5.3 | 24.6 | 88.7 | 99.8 | | | | | 100.0 | 76.8 | 25.7 | 68.7 |
| 35 | 15.4 | 19.0 | 56.8 | 98.6 | 100.0 | | | | | | 92.6 | 51.4 | 77.8 |
| 30 | 46.4 | 88.8 | 86.1 | 100.0 | | | | | | | 98.6 | 78.0 | 88.2 |
| 25 | 81.4 | 82.5 | 97.3 | | | | | | | | 100.0 | 95.3 | 96.4 |
| 20 | 98.6 | 97.4 | 100.0 | | | | | | | | | 99.8 | 99.7 |
| 15 | 99.8 | 99.6 | | | | | | | | | | 100.0 | 99.9 |
| 10 | 100.0 | 100.0 | | | | | | | | | | | 100.0 |
| MEAN | 29.2 | 29.7 | 35.8 | 46.9 | 56.0 | 61.3 | 69.3 | 73.0 | 69.9 | 55.2 | 44.5 | 34.9 | 50.1 |
| S D | 5.145 | 5.731 | 6.009 | 6.057 | 5.705 | 5.788 | 6.419 | 5.054 | 4.998 | 5.165 | 6.758 | 6.584 | 10.205 |
| TOTAL OBS | 837 | 732 | 806 | 772 | 806 | 777 | 806 | 806 | 780 | 806 | 780 | 806 | 9514 |

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
FROM DAILY OBSERVATIONS

STATION NAME

STATION NAME

44-72, 74-81

YEARS

WIND SPEEDS IN MPH

| MONTH
YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL
MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 44 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 45 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 46 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 47 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 48 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 49 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 50 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 51 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 52 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 53 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 54 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 55 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 56 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 57 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 58 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 59 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 60 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 61 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 62 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 63 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 64 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 65 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 66 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 67 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 68 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 69 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 70 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 71 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 72 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 73 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 74 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 75 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 76 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 77 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 78 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 79 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 80 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 81 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 82 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 83 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 84 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 85 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 86 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 87 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 88 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 89 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 90 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 91 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 92 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 93 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 94 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 95 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 96 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 97 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 98 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 99 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| 00 | 49 | 51 | 52 | 57 | 61 | 64 | 62 | 69 | 65 | 74 | 63 | 58 | 63 |
| MEAN | 47.5 | 48.5 | 59.2 | 71.8 | 79.2 | 81.5 | 90.0 | 91.5 | 84.5 | 73.5 | 66.0 | 56.1 | 62.5 |
| S.D. | 7.284 | 5.402 | 4.844 | 4.192 | 4.552 | 4.063 | 3.156 | 2.832 | 4.032 | 3.190 | 3.243 | 4.454 | 2.661 |
| TOTAL OBS | 837 | 706 | 406 | 750 | 404 | 750 | 806 | 806 | 780 | 806 | 780 | 806 | 4439 |

SMOS

EXTREME VALUES

44 / MISCANA, JAPAN
STATION STATION

40-77, 78-81

STATION NAME

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
FROM DAILY OBSERVATIONS

STATION NO. 47-72, 72-80 STATION NAME ASACA, JAPAN YEARS 1950-1959

WHOLE DEGREES FAHRENHEIT

| MONTH
YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL
MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 50 | | | | | 79 | 41 | 54 | 73 | 42 | 35 | 20 | 20 | |
| 51 | 20 | 14 | 20 | 29 | 78 | 42 | 51 | 58 | 50 | 35 | 20 | 14 | 14 |
| 52 | 10 | 15 | 17 | 29 | 37 | 47 | 57 | 40 | 50 | 31 | 24 | 17 | 17 |
| 53 | 11 | 13 | 17 | 22 | 34 | | 47 | 59 | 47 | 32 | 20 | 19 | |
| 54 | 14 | 12 | 16 | 29 | 46 | 47 | 56 | 60 | 49 | 34 | 28 | 14 | 12 |
| 55 | 13 | 15 | 23 | 30 | 72 | 46 | 52 | 53 | 48 | 36 | 26 | 19 | 13 |
| 56 | 10 | 16 | 21 | 31 | 49 | 37 | 50 | 55 | 54 | 37 | 25 | 20 | 10 |
| 57 | 13 | 15 | 20 | 23 | 31 | 45 | 61 | 60 | 48 | 35 | 26 | 18 | 12 |
| 58 | 14 | 14 | 22 | 29 | 41 | 49 | 57 | 54 | 49 | 37 | 27 | 19 | 14 |
| 59 | 16 | 17 | 17 | 26 | 37 | 48 | 49 | 62 | 47 | 35 | 28 | 24 | 16 |
| 60 | 18 | 18 | 18 | 27 | 49 | 44 | 60 | 54 | 55 | 34 | 30 | 27 | 18 |
| 61 | 13 | 27 | 24 | 34 | 42 | 47 | 55 | 59 | 52 | 38 | 24 | 16 | 13 |
| 62 | 15 | 15 | 20 | 28 | 41 | 44 | 56 | 60 | 45 | 38 | 22 | 19 | 15 |
| 63 | 14 | 15 | 23 | 30 | 49 | 48 | 59 | 59 | 51 | 33 | 30 | 23 | 14 |
| 64 | 22 | 19 | 25 | 30 | 46 | 49 | 53 | 63 | 49 | 36 | 26 | 22 | 19 |
| 65 | 15 | 17 | 19 | 21 | 47 | 44 | 53 | 61 | 47 | 36 | 29 | 22 | 15 |
| 66 | 21 | 11 | 22 | 29 | 42 | 44 | 55 | 56 | 44 | 33 | 28 | 20 | 11 |
| 67 | 17 | 11 | 15 | 27 | 35 | 44 | 52 | 61 | 51 | 34 | 28 | 17 | 11 |
| 68 | 12 | 14 | 25 | 28 | 35 | 39 | 49 | 57 | 45 | 38 | 26 | 14 | 12 |
| 69 | 1 | 12 | 20 | 28 | 39 | 52 | 50 | 57 | 49 | 37 | 25 | 19 | 6 |
| 70 | 19 | 11 | 20 | 30 | 39 | 44 | 45 | 59 | 44 | 37 | 28 | 19 | 11 |
| 71 | 15 | 15 | 16 | 28 | 43 | 46 | 51 | 60 | 44 | 35 | 23 | 17 | 15 |
| 72 | 13 | 17 | 15 | 25 | 47 | 46 | 51 | 55 | 48 | 33 | 23 | 18 | 13 |
| 73 | 15 | 17 | 15 | 26 | 43 | 48 | 57 | 59 | 48 | 37 | 23 | 21 | 15 |
| 74 | 19 | 10 | 24 | | | | | | | | | | |
| 75 | 14 | | 16 | 25 | 35 | 45 | 59 | 56 | 48 | 39 | 29 | 22 | |
| 76 | 15 | 20 | 24 | 27 | 46 | 45 | 52 | 54 | 50 | 43 | 28 | 25 | 15 |
| 77 | 16 | | | | | | | | | | | | |
| MEAN | 14.8 | 15.2 | 19.9 | 28.4 | 47.0 | 45.4 | 53.5 | 57.9 | 44.2 | 35.7 | 25.8 | 19.4 | 13.3 |
| S.D. | 3.530 | 2.964 | 3.281 | 2.411 | 2.993 | 3.279 | 4.091 | 2.869 | 3.089 | 2.507 | 2.829 | 3.274 | 2.800 |
| TOTAL OBS. | 437 | 708 | 806 | 750 | 404 | 750 | 404 | 806 | 780 | 806 | 780 | 406 | 4439 |

SMOS

E

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION

YICAWA, J-PAN

STATION NAME

43-72, 72-90

YEARS

WHOLE DEGREES FAHRENHEIT
BASED ON LESS THAN FULL MONTHS

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| YEAR | | | | | | | | | | | | | |
| 1 | | | | 72 | | | | | | | | | MIN TEMP |
| 2 | | | | 72 | | | | | | | | | DAYS |
| 3 | | | | | | 80 | | | | | | | MIN TEMP |
| 4 | | | | | | 27 | | | | | | | DAYS |
| 5 | | | | | | | | | | | | | MIN TEMP |
| 6 | | | | | | | | | | | | | DAYS |
| 7 | | | | | | | | | | | | | MIN TEMP |
| 8 | | | | | | | | | | | | | DAYS |
| 9 | | | | | | | | | | | | | MIN TEMP |
| 10 | | | | | | | | | | | | | DAYS |
| 11 | | | | | | | | | | | | | MIN TEMP |
| 12 | | | | | | | | | | | | | DAYS |
| 13 | | | | | | | | | | | | | MIN TEMP |
| 14 | | | | | | | | | | | | | DAYS |
| 15 | | | | | | | | | | | | | MIN TEMP |
| 16 | | | | | | | | | | | | | DAYS |
| 17 | | | | | | | | | | | | | MIN TEMP |
| 18 | | | | | | | | | | | | | DAYS |
| 19 | | | | | | | | | | | | | MIN TEMP |
| 20 | | | | | | | | | | | | | DAYS |
| 21 | | | | | | | | | | | | | MIN TEMP |
| 22 | | | | | | | | | | | | | DAYS |
| 23 | | | | | | | | | | | | | MIN TEMP |
| 24 | | | | | | | | | | | | | DAYS |
| 25 | | | | | | | | | | | | | MIN TEMP |
| 26 | | | | | | | | | | | | | DAYS |
| 27 | | | | | | | | | | | | | MIN TEMP |
| 28 | | | | | | | | | | | | | DAYS |
| 29 | | | | | | | | | | | | | MIN TEMP |
| 30 | | | | | | | | | | | | | DAYS |
| 31 | | | | | | | | | | | | | MIN TEMP |
| 32 | | | | | | | | | | | | | DAYS |
| 33 | | | | | | | | | | | | | MIN TEMP |
| 34 | | | | | | | | | | | | | DAYS |
| 35 | | | | | | | | | | | | | MIN TEMP |
| 36 | | | | | | | | | | | | | DAYS |
| 37 | | | | | | | | | | | | | MIN TEMP |
| 38 | | | | | | | | | | | | | DAYS |
| 39 | | | | | | | | | | | | | MIN TEMP |
| 40 | | | | | | | | | | | | | DAYS |
| 41 | | | | | | | | | | | | | MIN TEMP |
| 42 | | | | | | | | | | | | | DAYS |
| 43 | | | | | | | | | | | | | MIN TEMP |
| 44 | | | | | | | | | | | | | DAYS |
| 45 | | | | | | | | | | | | | MIN TEMP |
| 46 | | | | | | | | | | | | | DAYS |
| 47 | | | | | | | | | | | | | MIN TEMP |
| 48 | | | | | | | | | | | | | DAYS |
| 49 | | | | | | | | | | | | | MIN TEMP |
| 50 | | | | | | | | | | | | | DAYS |
| 51 | | | | | | | | | | | | | MIN TEMP |
| 52 | | | | | | | | | | | | | DAYS |
| 53 | | | | | | | | | | | | | MIN TEMP |
| 54 | | | | | | | | | | | | | DAYS |
| 55 | | | | | | | | | | | | | MIN TEMP |
| 56 | | | | | | | | | | | | | DAYS |
| 57 | | | | | | | | | | | | | MIN TEMP |
| 58 | | | | | | | | | | | | | DAYS |
| 59 | | | | | | | | | | | | | MIN TEMP |
| 60 | | | | | | | | | | | | | DAYS |
| 61 | | | | | | | | | | | | | MIN TEMP |
| 62 | | | | | | | | | | | | | DAYS |
| 63 | | | | | | | | | | | | | MIN TEMP |
| 64 | | | | | | | | | | | | | DAYS |
| 65 | | | | | | | | | | | | | MIN TEMP |
| 66 | | | | | | | | | | | | | DAYS |
| 67 | | | | | | | | | | | | | MIN TEMP |
| 68 | | | | | | | | | | | | | DAYS |
| 69 | | | | | | | | | | | | | MIN TEMP |
| 70 | | | | | | | | | | | | | DAYS |
| 71 | | | | | | | | | | | | | MIN TEMP |
| 72 | | | | | | | | | | | | | DAYS |
| 73 | | | | | | | | | | | | | MIN TEMP |
| 74 | | | | | | | | | | | | | DAYS |
| 75 | | | | | | | | | | | | | MIN TEMP |
| 76 | | | | | | | | | | | | | DAYS |
| 77 | | | | | | | | | | | | | MIN TEMP |
| 78 | | | | | | | | | | | | | DAYS |
| 79 | | | | | | | | | | | | | MIN TEMP |
| 80 | | | | | | | | | | | | | DAYS |
| 81 | | | | | | | | | | | | | MIN TEMP |
| 82 | | | | | | | | | | | | | DAYS |
| 83 | | | | | | | | | | | | | MIN TEMP |
| 84 | | | | | | | | | | | | | DAYS |
| 85 | | | | | | | | | | | | | MIN TEMP |
| 86 | | | | | | | | | | | | | DAYS |
| 87 | | | | | | | | | | | | | MIN TEMP |
| 88 | | | | | | | | | | | | | DAYS |
| 89 | | | | | | | | | | | | | MIN TEMP |
| 90 | | | | | | | | | | | | | DAYS |
| 91 | | | | | | | | | | | | | MIN TEMP |
| 92 | | | | | | | | | | | | | DAYS |
| 93 | | | | | | | | | | | | | MIN TEMP |
| 94 | | | | | | | | | | | | | DAYS |
| 95 | | | | | | | | | | | | | MIN TEMP |
| 96 | | | | | | | | | | | | | DAYS |
| 97 | | | | | | | | | | | | | MIN TEMP |
| 98 | | | | | | | | | | | | | DAYS |
| 99 | | | | | | | | | | | | | MIN TEMP |
| 100 | | | | | | | | | | | | | DAYS |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

SMOS

PSYCHROMETRIC SUMMARY

MONTH

67

| Temp
F | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | | | | | |
|-----------|-----------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|------|----------|----------|-----------|--|--|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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NAVWEASERVCOM

| STATION | STATION NAME | YEARS | MONTHS |
|---------|--------------|-------|--------|
| 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 |
| 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 |
| 14 | 14 | 14 | 14 |
| 15 | 15 | 15 | 15 |
| 16 | 16 | 16 | 16 |
| 17 | 17 | 17 | 17 |
| 18 | 18 | 18 | 18 |
| 19 | 19 | 19 | 19 |
| 20 | 20 | 20 | 20 |
| 21 | 21 | 21 | 21 |
| 22 | 22 | 22 | 22 |
| 23 | 23 | 23 | 23 |
| 24 | 24 | 24 | 24 |
| 25 | 25 | 25 | 25 |
| 26 | 26 | 26 | 26 |
| 27 | 27 | 27 | 27 |
| 28 | 28 | 28 | 28 |
| 29 | 29 | 29 | 29 |
| 30 | 30 | 30 | 30 |
| 31 | 31 | 31 | 31 |
| 32 | 32 | 32 | 32 |
| 33 | 33 | 33 | 33 |
| 34 | 34 | 34 | 34 |
| 35 | 35 | 35 | 35 |
| 36 | 36 | 36 | 36 |
| 37 | 37 | 37 | 37 |
| 38 | 38 | 38 | 38 |
| 39 | 39 | 39 | 39 |
| 40 | 40 | 40 | 40 |
| 41 | 41 | 41 | 41 |
| 42 | 42 | 42 | 42 |
| 43 | 43 | 43 | 43 |
| 44 | 44 | 44 | 44 |
| 45 | 45 | 45 | 45 |
| 46 | 46 | 46 | 46 |
| 47 | 47 | 47 | 47 |
| 48 | 48 | 48 | 48 |
| 49 | 49 | 49 | 49 |
| 50 | 50 | 50 | 50 |
| 51 | 51 | 51 | 51 |
| 52 | 52 | 52 | 52 |
| 53 | 53 | 53 | 53 |
| 54 | 54 | 54 | 54 |
| 55 | 55 | 55 | 55 |
| 56 | 56 | 56 | 56 |
| 57 | 57 | 57 | 57 |
| 58 | 58 | 58 | 58 |
| 59 | 59 | 59 | 59 |
| 60 | 60 | 60 | 60 |
| 61 | 61 | 61 | 61 |
| 62 | 62 | 62 | 62 |
| 63 | 63 | 63 | 63 |
| 64 | 64 | 64 | 64 |
| 65 | 65 | 65 | 65 |
| 66 | 66 | 66 | 66 |
| 67 | 67 | 67 | 67 |
| 68 | 68 | 68 | 68 |
| 69 | 69 | 69 | 69 |
| 70 | 70 | 70 | 70 |
| 71 | 71 | 71 | 71 |
| 72 | 72 | 72 | 72 |
| 73 | 73 | 73 | 73 |
| 74 | 74 | 74 | 74 |
| 75 | 75 | 75 | 75 |
| 76 | 76 | 76 | 76 |
| 77 | 77 | 77 | 77 |
| 78 | 78 | 78 | 78 |
| 79 | 79 | 79 | 79 |
| 80 | 80 | 80 | 80 |
| 81 | 81 | 81 | 81 |
| 82 | 82 | 82 | 82 |
| 83 | 83 | 83 | 83 |
| 84 | 84 | 84 | 84 |
| 85 | 85 | 85 | 85 |
| 86 | 86 | 86 | 86 |
| 87 | 87 | 87 | 87 |
| 88 | 88 | 88 | 88 |
| 89 | 89 | 89 | 89 |
| 90 | 90 | 90 | 90 |
| 91 | 91 | 91 | 91 |
| 92 | 92 | 92 | 92 |
| 93 | 93 | 93 | 93 |
| 94 | 94 | 94 | 94 |
| 95 | 95 | 95 | 95 |
| 96 | 96 | 96 | 96 |
| 97 | 97 | 97 | 97 |
| 98 | 98 | 98 | 98 |
| 99 | 99 | 99 | 99 |
| 100 | 100 | 100 | 100 |

[illegible]

PSYCHROMETRIC SUMMARY

2147 ON HANG

1994

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[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MATERIALS

11685

Notes

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[illegible]

NAVWEASEPVCOM

PSYCHROMETRIC SUMMARY

STATE OF TEXAS,

class

NAVWEASLRVCOM

www.wfasea.com

[illegible]

AD A151 678

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
FOR MISAWA JAPAN(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC MAR 85

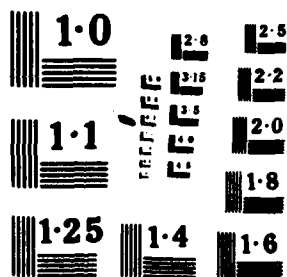
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UNCLASSIFIED

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NAVWEASERVCOM

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PSYCHROMETRIC SUMMARY

1891

ACE
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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME

75488

1017

1990年12月

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NAVWEASERVCOM

| STATION | STATION NAME | YEARS | MONTH | ANALYST | W. C. S. |
|---------|--------------|-------|-------|---------|----------|
| | | | | | |

| Temp
F | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | | |
|-----------|-----------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|----------|----------|-----------|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB | WB | Dry Bulb | Wet Bulb | Dew Point | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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MEANS AND STANDARD DEVIATIONS

PREPARED TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

44-5 HONOLULU, HAWAII

1951-52

| | | STATION NAME | | | | | | | | | | | | YEARS | | | | | | | | | | | | |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|--|--|--|--|--|--|--|--|--|--|
| MRS. C.T. | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | | | | | | | | | | | | |
| | MEAN | 27.0 | 27.0 | 32.4 | 41.6 | 50.3 | 57.2 | 64.5 | 68.7 | 61.9 | 51.6 | 41.1 | 32.9 | 46.5 | | | | | | | | | | | | |
| | S.D. | 5.946 | 6.062 | 5.663 | 6.210 | 6.024 | 5.338 | 5.945 | 5.088 | 5.550 | 6.382 | 7.176 | 6.517 | 15.317 | | | | | | | | | | | | |
| | TOTAL OBS | 294 | 271 | 300 | 287 | 307 | 286 | 304 | 303 | 294 | 303 | 297 | 312 | 3558 | | | | | | | | | | | | |
| | MEAN | 28.0 | 27.2 | 32.6 | 42.0 | 50.4 | 57.2 | 64.9 | 68.8 | 61.6 | 51.3 | 41.4 | 33.4 | 46.8 | | | | | | | | | | | | |
| | S.D. | 5.997 | 6.351 | 5.673 | 6.532 | 6.365 | 5.239 | 5.916 | 5.141 | 5.832 | 6.424 | 7.338 | 6.412 | 15.224 | | | | | | | | | | | | |
| | TOTAL OBS | 296 | 266 | 296 | 294 | 306 | 285 | 300 | 304 | 291 | 303 | 299 | 297 | 3527 | | | | | | | | | | | | |
| | MEAN | 27.1 | 25.8 | 31.4 | 41.1 | 51.8 | 57.3 | 64.6 | 67.9 | 60.3 | 49.5 | 40.0 | 32.3 | 45.2 | | | | | | | | | | | | |
| | S.D. | 5.672 | 6.432 | 5.817 | 6.428 | 6.167 | 5.047 | 5.987 | 5.219 | 5.965 | 6.483 | 7.372 | 6.557 | 15.444 | | | | | | | | | | | | |
| | TOTAL OBS | 301 | 271 | 300 | 291 | 304 | 285 | 296 | 306 | 298 | 304 | 295 | 304 | 3555 | | | | | | | | | | | | |
| | MEAN | 29.9 | 29.5 | 37.2 | 49.7 | 58.9 | 62.8 | 70.9 | 74.4 | 67.9 | 57.7 | 45.4 | 35.4 | 51.7 | | | | | | | | | | | | |
| | S.D. | 5.768 | 6.201 | 6.241 | 7.046 | 7.744 | 6.577 | 7.717 | 5.966 | 4.505 | 5.502 | 7.507 | 6.790 | 16.697 | | | | | | | | | | | | |
| | TOTAL OBS | 294 | 263 | 297 | 283 | 298 | 275 | 293 | 295 | 289 | 297 | 290 | 303 | 3477 | | | | | | | | | | | | |
| 1 | MEAN | 32.4 | 32.2 | 39.6 | 51.8 | 61.0 | 67.9 | 72.0 | 75.8 | 70.0 | 61.6 | 48.8 | 37.9 | 54.1 | | | | | | | | | | | | |
| | S.D. | 6.182 | 6.027 | 6.864 | 7.518 | 8.277 | 7.516 | 8.055 | 6.615 | 4.705 | 6.388 | 8.181 | 7.506 | 16.555 | | | | | | | | | | | | |
| | TOTAL OBS | 300 | 269 | 297 | 292 | 297 | 289 | 301 | 302 | 297 | 307 | 295 | 303 | 3544 | | | | | | | | | | | | |
| | MEAN | 33.2 | 33.4 | 40.3 | 52.1 | 60.9 | 64.1 | 72.2 | 76.0 | 70.3 | 61.8 | 48.8 | 38.3 | 54.4 | | | | | | | | | | | | |
| | S.D. | 6.318 | 6.216 | 6.680 | 7.817 | 8.419 | 7.253 | 7.447 | 6.694 | 4.666 | 6.311 | 8.371 | 7.618 | 16.331 | | | | | | | | | | | | |
| | TOTAL OBS | 305 | 268 | 293 | 288 | 300 | 289 | 320 | 301 | 289 | 302 | 295 | 312 | 3532 | | | | | | | | | | | | |
| | MEAN | 29.4 | 29.6 | 35.9 | 46.8 | 55.9 | 60.5 | 68.2 | 72.0 | 65.6 | 55.9 | 43.9 | 34.2 | 49.9 | | | | | | | | | | | | |
| | S.D. | 6.275 | 6.241 | 5.815 | 6.652 | 7.346 | 6.469 | 6.742 | 5.578 | 4.346 | 5.989 | 7.543 | 6.791 | 15.958 | | | | | | | | | | | | |
| | TOTAL OBS | 304 | 275 | 301 | 291 | 304 | 288 | 302 | 304 | 295 | 306 | 295 | 306 | 3571 | | | | | | | | | | | | |
| | MEAN | 29.1 | 29.3 | 34.8 | 44.7 | 52.8 | 59.0 | 66.7 | 70.6 | 64.2 | 53.9 | 43.0 | 34.3 | 48.7 | | | | | | | | | | | | |
| | S.D. | 6.030 | 6.260 | 5.428 | 6.118 | 6.091 | 5.575 | 6.020 | 4.969 | 4.871 | 6.145 | 7.254 | 6.558 | 15.390 | | | | | | | | | | | | |
| | TOTAL OBS | 298 | 275 | 302 | 282 | 301 | 286 | 301 | 304 | 295 | 302 | 291 | 303 | 3540 | | | | | | | | | | | | |
| ALL HOURS | MEAN | 29.6 | 29.2 | 35.5 | 46.3 | 55.1 | 60.2 | 68.0 | 71.8 | 65.2 | 55.4 | 44.0 | 34.8 | 49.7 | | | | | | | | | | | | |
| | S.D. | 6.402 | 6.674 | 6.781 | 8.023 | 8.325 | 6.798 | 7.442 | 6.464 | 6.245 | 7.587 | 8.229 | 7.157 | 16.183 | | | | | | | | | | | | |
| | TOTAL OBS | 2402 | 2158 | 2386 | 2298 | 2917 | 2278 | 2397 | 2419 | 2348 | 2424 | 2357 | 2420 | 28304 | | | | | | | | | | | | |

MEANS AND STANDARD DEVIATIONS

AIR-TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NAME

73-82

YEARS

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 24.5 | 25.1 | 30.7 | 38.5 | 47.2 | 55.8 | 67.2 | 66.6 | 59.2 | 48.6 | 37.9 | 31.4 | 44.1 |
| S.D. | 5.432 | 5.143 | 5.238 | 5.705 | 4.997 | 4.590 | 5.326 | 4.592 | 5.676 | 6.333 | 6.847 | 5.675 | 15.244 |
| TOTAL OBS | 304 | 271 | 300 | 217 | 307 | 286 | 304 | 303 | 294 | 303 | 297 | 312 | 3558 |
| MEAN | 25.1 | 25.4 | 31.3 | 38.8 | 47.5 | 56.0 | 67.7 | 66.8 | 59.2 | 48.5 | 38.3 | 31.0 | 44.5 |
| S.D. | 5.516 | 5.732 | 5.169 | 5.971 | 5.341 | 4.708 | 5.313 | 4.769 | 5.937 | 6.377 | 6.876 | 5.765 | 15.198 |
| TOTAL OBS | 226 | 265 | 226 | 284 | 305 | 285 | 300 | 304 | 291 | 303 | 299 | 297 | 3525 |
| MEAN | 24.2 | 24.1 | 29.2 | 38.7 | 47.5 | 55.9 | 67.1 | 65.8 | 57.9 | 46.9 | 37.2 | 29.9 | 43.5 |
| S.D. | 5.400 | 5.481 | 5.354 | 5.733 | 5.004 | 4.448 | 5.377 | 4.854 | 6.066 | 6.320 | 6.923 | 5.800 | 15.314 |
| TOTAL OBS | 301 | 271 | 300 | 291 | 304 | 285 | 296 | 306 | 298 | 304 | 294 | 304 | 3554 |
| MEAN | 27.7 | 27.1 | 33.3 | 43.6 | 52.2 | 59.4 | 67.1 | 69.7 | 63.0 | 52.5 | 41.2 | 32.3 | 47.5 |
| S.D. | 5.136 | 5.464 | 5.325 | 5.862 | 4.963 | 4.796 | 5.754 | 4.569 | 4.725 | 5.556 | 6.965 | 5.882 | 15.647 |
| TOTAL OBS | 214 | 262 | 297 | 283 | 298 | 275 | 293 | 295 | 289 | 297 | 290 | 303 | 3476 |
| MEAN | 26.2 | 28.8 | 34.5 | 44.7 | 52.3 | 59.5 | 67.3 | 70.0 | 63.2 | 53.7 | 42.6 | 33.6 | 48.4 |
| S.D. | 5.142 | 5.195 | 5.371 | 5.530 | 5.078 | 5.119 | 5.762 | 4.775 | 4.610 | 5.956 | 7.012 | 5.981 | 15.277 |
| TOTAL OBS | 299 | 269 | 297 | 292 | 297 | 284 | 300 | 302 | 297 | 307 | 295 | 303 | 3502 |
| MEAN | 26.6 | 29.8 | 35.2 | 44.7 | 53.1 | 60.0 | 67.8 | 70.4 | 64.0 | 54.4 | 42.9 | 34.1 | 49.0 |
| S.D. | 5.409 | 5.279 | 5.050 | 5.631 | 5.102 | 4.917 | 5.576 | 4.820 | 4.468 | 6.009 | 7.234 | 6.226 | 15.213 |
| TOTAL OBS | 304 | 268 | 293 | 288 | 300 | 289 | 300 | 301 | 289 | 302 | 295 | 302 | 3531 |
| MEAN | 26.7 | 27.2 | 32.3 | 41.4 | 50.3 | 57.6 | 65.2 | 68.1 | 61.4 | 51.4 | 39.9 | 31.3 | 46.2 |
| S.D. | 5.544 | 5.674 | 4.994 | 5.495 | 4.958 | 4.842 | 5.493 | 4.405 | 4.880 | 6.183 | 7.057 | 5.887 | 15.370 |
| TOTAL OBS | 304 | 274 | 311 | 291 | 304 | 288 | 302 | 304 | 295 | 305 | 295 | 306 | 3569 |
| MEAN | 26.2 | 27.1 | 31.9 | 40.7 | 49.2 | 57.2 | 65.0 | 68.0 | 61.1 | 50.5 | 39.6 | 31.5 | 45.9 |
| S.D. | 5.510 | 5.664 | 5.094 | 5.708 | 4.798 | 4.535 | 5.273 | 4.391 | 5.328 | 6.237 | 7.021 | 5.673 | 15.269 |
| TOTAL OBS | 298 | 275 | 322 | 281 | 321 | 286 | 301 | 304 | 295 | 302 | 291 | 303 | 3539 |
| MEAN | 27.1 | 26.8 | 32.1 | 41.2 | 50.0 | 57.7 | 65.3 | 68.2 | 61.1 | 50.8 | 39.9 | 31.8 | 46.1 |
| S.D. | 5.514 | 5.822 | 5.573 | 6.212 | 5.539 | 5.017 | 5.759 | 4.918 | 5.631 | 6.611 | 7.263 | 6.115 | 15.429 |
| TOTAL OBS | 2400 | 2155 | 2386 | 2297 | 2416 | 2278 | 2396 | 2419 | 2348 | 2423 | 2356 | 2420 | 28294 |

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DE POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4. 1950

?? - 27

5. 结论

YEARS

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MEAN | 7.4 | 20.7 | 26.2 | 33.9 | 43.8 | 54.7 | 62.4 | 65.3 | 57.2 | 45.5 | | .5 | 47.7 |
| S.D. | 6.670 | 6.631 | 6.621 | 7.436 | 6.396 | 4.876 | 5.313 | 4.868 | 6.519 | 7.437 | 8.6 | 6.338 | 17.5 |
| TOTAL OBS. | 224 | 271 | 300 | 217 | 327 | 286 | 304 | 303 | 294 | 30 | 297 | 22 | 3558 |
| MEAN | 1.1 | 20.7 | 25.7 | 34.3 | 44.4 | 55.1 | 62.9 | 65.5 | 57.4 | 45.6 | 34.0 | 26.5 | 41.7 |
| S.D. | 6.558 | 6.373 | 6.564 | 7.551 | 6.519 | 5.28 | 5.327 | 5.070 | 6.699 | 7.421 | 7.1 | 6.616 | 16.918 |
| TOTAL OBS. | 26 | 265 | 276 | 284 | 302 | 285 | 300 | 304 | 291 | 303 | 299 | 297 | 3225 |
| MEAN | 20.1 | 12.5 | 24.5 | 33.4 | 44.7 | 54.8 | 62.3 | 64.5 | 56.1 | 44.1 | 33.0 | 25.2 | 40.1 |
| S.D. | 6.240 | 6.675 | 6.679 | 7.272 | 6.321 | 4.787 | 5.464 | 5.214 | 6.777 | 7.235 | 7.934 | 6.551 | 17.004 |
| TOTAL OBS. | 301 | 271 | 300 | 291 | 304 | 285 | 296 | 328 | 298 | 304 | 294 | 304 | 3554 |
| MEAN | 2.1 | 21.6 | 26.7 | 35.8 | 45.9 | 56.9 | 65.0 | 67.3 | 59.6 | 47.6 | 35.7 | 27.1 | 42.7 |
| S.D. | 6.15 | 6.310 | 6.937 | 8.401 | 6.679 | 5.230 | 5.624 | 4.936 | 6.272 | 7.202 | 8.177 | 6.541 | 17.326 |
| TOTAL OBS. | 224 | 262 | 297 | 283 | 298 | 275 | 293 | 295 | 289 | 297 | 292 | 303 | 3476 |
| MEAN | 21.7 | 21.9 | 25.9 | 34.4 | 45.3 | 56.4 | 64.7 | 66.9 | 58.6 | 46.3 | 34.9 | 26.4 | 42.1 |
| S.D. | 6.171 | 6.312 | 7.225 | 8.576 | 7.180 | 5.559 | 5.673 | 5.207 | 6.879 | 8.192 | 8.340 | 6.558 | 17.430 |
| TOTAL OBS. | 259 | 269 | 297 | 292 | 297 | 284 | 300 | 302 | 297 | 307 | 295 | 303 | 3502 |
| MEAN | 22. | 22.7 | 27.2 | 35.4 | 46. | 57.1 | 65.4 | 67.5 | 59.7 | 47.7 | 35.6 | 27.2 | 43.0 |
| S.D. | 6.703 | 6.615 | 6.742 | 8.704 | 6.974 | 5.384 | 5.599 | 5.357 | 6.398 | 8.261 | 8.512 | 6.752 | 17.372 |
| TOTAL OBS. | 304 | 268 | 293 | 288 | 300 | 289 | 300 | 301 | 289 | 302 | 295 | 302 | 3531 |
| MEAN | 1.1 | 21.7 | 26.0 | 34.2 | 44.7 | 55.4 | 63.5 | 66.0 | 58.3 | 47.1 | 34.4 | 25.7 | 41.6 |
| S.D. | 6.737 | 7.12 | 6.659 | 8.391 | 6.775 | 5.307 | 5.580 | 4.843 | 6.417 | 7.804 | 8.218 | 6.629 | 17.192 |
| TOTAL OBS. | 324 | 274 | 301 | 291 | 304 | 288 | 302 | 304 | 295 | 305 | 295 | 306 | 3569 |
| MEAN | 1.3 | 22.7 | 26.7 | 35.5 | 45.6 | 55.8 | 64.0 | 66.5 | 58.0 | 47.2 | 34.8 | 26.4 | 42.2 |
| S.D. | 6.796 | 6.778 | 6.965 | 8.199 | 6.158 | 4.850 | 5.239 | 4.777 | 6.411 | 7.566 | 8.299 | 6.321 | 17.160 |
| TOTAL OBS. | 298 | 275 | 302 | 291 | 301 | 286 | 301 | 304 | 295 | 302 | 291 | 303 | 3539 |
| ALL HOURS
MEAN | 21.3 | 21.3 | 26.0 | 34.6 | 45.0 | 55.8 | 63.8 | 66.2 | 58.2 | 46.4 | 34.5 | 26.2 | 41.7 |
| S.D. | 6.547 | 6.665 | 6.870 | 8.087 | 6.666 | 5.202 | 5.585 | 5.125 | 6.645 | 7.730 | 8.195 | 6.563 | 17.273 |
| TOTAL OBS. | 2400 | 2155 | 2386 | 2297 | 2416 | 2278 | 2394 | 2419 | 2348 | 2423 | 2356 | 2420 | 28299 |

113

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

OCEANAV-SMOS

WIND DIRECTION

[illegible]

WIND DIRECTION

| | | | | | | | | | | |
|----|-----|-----|-----|------|------|------|------|-----|------|-------|
| 1. | 1. | 2.4 | 11. | 17.6 | 21.2 | 14.8 | 18.1 | 1.2 | 1. | 1.6 |
| 2. | 1. | 4.3 | 5.2 | 12.3 | 15.7 | 19.7 | 20.3 | 1.1 | 22.7 | 4.4 |
| 3. | 2.3 | 4. | 1.2 | 1.3 | 13.5 | 31.2 | 21.8 | 1.2 | 526 | 22.3 |
| 4. | . | 3 | .9 | 2.8 | 13.4 | 48.7 | 21.4 | 2. | 71.7 | 32.3 |
| 5. | . | . | . | 2.1 | 16. | 54.7 | 18.1 | 2. | 537 | 27.6 |
| 6. | . | . | 1.2 | 3.6 | 16.2 | 52.6 | 18.2 | 3.6 | 107 | 2.4 |
| 7. | . | . | . | 1.1 | 15.6 | 62.8 | 12.7 | . | 77 | 1.4 |
| 8. | 1. | 2.1 | 1. | 4.3 | 14.4 | 43.5 | 31.7 | 2.7 | 2334 | 107.2 |

U.S. AIR FORCE DETACHMENT
YOKOTA AIRFIELD, JAPAN

RELATIVE HUMIDITY

44075 44075, JAPAN

73-01

ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PER CENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|---|-------|-------|------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 100.0 | 100.0 | 99.6 | 95.9 | 73.0 | 51.7 | 29.6 | 17.7 | 72.1 | 2400 |
| FEB | | 100.0 | 100.0 | 100.0 | 99.5 | 95.4 | 80.6 | 54.4 | 34.0 | 17.0 | 73.1 | 2155 |
| MAR | | 100.0 | 100.0 | 99.5 | 95.6 | 87.3 | 70.7 | 46.7 | 31.6 | 14.2 | 70.2 | 2396 |
| APR | | 100.0 | 99.3 | 96.5 | 97.4 | 77.8 | 62.3 | 44.3 | 29.6 | 15.4 | 67.1 | 2297 |
| MAY | | 100.0 | 99.9 | 96.9 | 91.0 | 82.4 | 70.4 | 58.3 | 39.9 | 25.0 | 72.2 | 2416 |
| JUN | | 100.0 | 100.0 | 99.7 | 98.6 | 96.5 | 93.1 | 85.5 | 71.9 | 52.6 | 86.7 | 2278 |
| JUL | | 100.0 | 100.0 | 100.0 | 99.9 | 99.3 | 96.6 | 89.2 | 74.3 | 46.3 | 97.1 | 2396 |
| AUG | | 100.0 | 100.0 | 100.0 | 99.8 | 98.6 | 94.1 | 83.2 | 64.5 | 34.1 | 83.5 | 2419 |
| SEP | | 100.0 | 100.0 | 100.0 | 99.6 | 96.6 | 89.0 | 74.1 | 49.9 | 22.9 | 79.1 | 2346 |
| OCT | | 100.0 | 100.0 | 100.0 | 98.3 | 91.4 | 77.9 | 60.9 | 35.7 | 13.2 | 73.2 | 2423 |
| NOV | | 100.0 | 100.0 | 100.0 | 98.6 | 90.8 | 73.6 | 47.8 | 26.4 | 9.5 | 70.3 | 2356 |
| DEC | | 100.0 | 100.0 | 100.0 | 99.4 | 94.8 | 77.8 | 51.2 | 29.5 | 17.9 | 71.9 | 2470 |
| TOTALS | | 100.0 | 100.0 | 99.4 | 97.3 | 92.2 | 80.4 | 62.3 | 43.1 | 22.4 | 75.5 | 28294 |

OCEANAV-SMOS

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RELATIVE HUMIDITY

STATION: METSIA, GUAM

73-72

PERIOD

DATE

STATION NAME

PERIOD

DATE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
OBS. | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|---------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 1 | 24 | 100.0 | 100.0 | 100.0 | 99.7 | 98.7 | 85.1 | 59.6 | 35.9 | 12.3 | 74.9 | 302 |
| 2 | 24 | 100.0 | 100.0 | 100.0 | 100.0 | 97.6 | 89.6 | 68.4 | 38.0 | 16.9 | 76.5 | 297 |
| 3 | 24 | 100.0 | 100.0 | 100.0 | 99.7 | 99.7 | 88.2 | 63.5 | 39.9 | 14.5 | 75.9 | 304 |
| 4 | 24 | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 80.9 | 53.5 | 26.7 | 9.2 | 72.3 | 303 |
| 5 | 24 | 100.0 | 100.0 | 100.0 | 97.4 | 84.2 | 54.8 | 30.4 | 18.2 | 5.3 | 64.7 | 303 |
| 6 | 24 | 100.0 | 100.0 | 100.0 | 98.3 | 87.1 | 60.9 | 30.8 | 17.5 | 5.0 | 65.4 | 302 |
| 7 | 24 | 100.0 | 100.0 | 100.0 | 99.7 | 96.1 | 80.7 | 49.3 | 27.1 | 9.5 | 71.9 | 306 |
| 8 | 24 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 82.2 | 53.2 | 33.0 | 14.7 | 73.6 | 303 |
| 9 | 24 | | | | | | | | | | | |
| 10 | 24 | | | | | | | | | | | |
| 11 | 24 | | | | | | | | | | | |
| 12 | 24 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.4 | 94.8 | 77.8 | 51.2 | 29.5 | 10.9 | 71.9 | 2420 |

OCEANAV-SMOS

1
2

NOVA DEATHER SERVICE STATION
WATERVILLE, ME

RELATIVE HUMIDITY

44405 WISLA, JAPAN

17-42

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
EST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|--------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 87.9 | 57.9 | 33.0 | 10.1 | 74.6 | 297 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 90.0 | 64.2 | 34.4 | 14.4 | 75.8 | 294 |
| | 03 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 89.0 | 68.7 | 41.2 | 12.9 | 76.6 | 294 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 94.9 | 72.4 | 44.5 | 22.4 | 7.9 | 69.8 | 290 |
| | 05 | 100.0 | 100.0 | 100.0 | 95.3 | 67.5 | 40.7 | 22.0 | 13.2 | 7.1 | 60.3 | 295 |
| | 06 | 100.0 | 100.0 | 100.0 | 93.9 | 73.0 | 46.4 | 26.0 | 12.9 | 6.1 | 62.1 | 295 |
| | 07 | 100.0 | 100.0 | 100.0 | 99.7 | 95.9 | 74.9 | 42.7 | 23.7 | 7.5 | 70.1 | 295 |
| | 08 | 100.0 | 100.0 | 100.0 | 99.7 | 98.6 | 86.6 | 52.5 | 30.2 | 9.6 | 73.4 | 291 |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 98.6 | 90.8 | 73.6 | 47.8 | 26.4 | 9.5 | 70.3 | 2356 |

OCEANAV-SMOS

2

U.S. NAVY, 1977-92
 U.S. NAVY, 1977-92

RELATIVE HUMIDITY

1977-92, 1977-92, 1977-92

77-92

1977-92

1977-92

1977-92

1977-92

1977-92

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
OBS. | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|---------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 1977 | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 94.7 | 82.7 | 52.5 | 17.5 | 80.2 | 303 |
| | 2 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 94.1 | 82.5 | 58.7 | 22.4 | 91.1 | 303 |
| | 3 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 95.4 | 87.5 | 60.2 | 24.7 | 82.0 | 304 |
| | 4 | 100.0 | 100.0 | 100.0 | 100.0 | 95.3 | 75.1 | 48.8 | 20.9 | 7.4 | 70.0 | 297 |
| | 5 | 100.0 | 100.0 | 100.0 | 92.5 | 67.1 | 38.3 | 21.2 | 9.8 | 2.9 | 58.7 | 377 |
| | 6 | 100.0 | 100.0 | 100.0 | 94.0 | 76.9 | 47.4 | 28.1 | 10.9 | 3.6 | 61.5 | 322 |
| | 7 | 100.0 | 100.0 | 100.0 | 99.7 | 96.4 | 85.6 | 60.7 | 26.9 | 7.9 | 73.0 | 375 |
| | 8 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 92.4 | 76.5 | 45.7 | 19.5 | 78.7 | 302 |
| | 9 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 98.3 | 91.4 | 77.9 | 60.9 | 35.7 | 17.2 | 77.2 | 2423 |

OCEANAV-SMOS

U.S. NAVY AIRCRAFT DETACHMENT
HONOLULU, HAWAII, AREA 131A

RELATIVE HUMIDITY

STATION NAME
MUSASHI, JAPAN

PERIOD
73-77

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
EST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 01 | 00 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 89.9 | 69.0 | 32.7 | 84.9 | 298 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.6 | 91.4 | 71.1 | 33.5 | 86.2 | 291 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 91.6 | 73.8 | 35.9 | 86.0 | 298 |
| | 03 | 100.0 | 100.0 | 100.0 | 99.7 | 97.2 | 97.2 | 64.0 | 33.9 | 14.2 | 75.5 | 299 |
| | 04 | 100.0 | 100.0 | 99.7 | 98.3 | 86.2 | 68.0 | 44.4 | 25.3 | 6.8 | 66.7 | 297 |
| | 05 | 100.0 | 100.0 | 100.0 | 99.0 | 90.3 | 71.6 | 47.8 | 27.0 | 12.1 | 70.4 | 289 |
| | 06 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 91.9 | 75.3 | 40.7 | 17.3 | 78.0 | 295 |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 94.1 | 58.6 | 23.7 | 82.9 | 295 |
| | 08 | | | | | | | | | | | |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.6 | 96.6 | 89.0 | 74.1 | 49.9 | 22.9 | 79.1 | 2348 |

OCEANAV-SMOS

2

JALM WEATHER SERVICE DETACHMENT
JALM Weather Service Detachment

RELATIVE HUMIDITY

44475 MISAWA, JAPAN

73-92

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 96.7 | 81.2 | 52.8 | 89.2 | 333 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.1 | 84.5 | 53.9 | 89.6 | 304 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 95.4 | 84.0 | 50.0 | 89.0 | 306 |
| | 03 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 92.9 | 74.6 | 47.8 | 19.3 | 79.3 | 295 |
| | 04 | 100.0 | 100.0 | 100.0 | 99.3 | 95.7 | 84.4 | 64.9 | 38.7 | 12.3 | 75.1 | 302 |
| | 05 | 100.0 | 100.0 | 99.7 | 99.0 | 95.7 | 85.4 | 65.1 | 43.5 | 15.6 | 76.1 | 301 |
| | 06 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 93.1 | 80.3 | 60.5 | 27.3 | 82.2 | 304 |
| | 07 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 92.4 | 75.7 | 41.8 | 87.4 | 304 |
| | 08 | | | | | | | | | | | |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.8 | 98.6 | 94.1 | 83.2 | 64.5 | 34.1 | 83.5 | 2419 |

OCEANAV-SMOS

444-5 47.1.5. 15793

77-67

1991

• • •

3907-10-0001

FIG 5

■■■■■

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

OCEANAV-SMOS

2

U.S. NAVY AIRCRAFT DETACHMENT
MAGNETIC OBSERVATION STATION

RELATIVE HUMIDITY

44405 17 JUL 5, JAPAN

73-83

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
EST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.9 | 94.1 | 83.6 | 70.3 | 92.0 | 286 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 98.9 | 97.5 | 95.4 | 86.4 | 74.0 | 93.4 | 285 |
| | 02 | 100.0 | 100.0 | 100.0 | 99.6 | 99.3 | 98.6 | 95.1 | 84.2 | 67.7 | 91.9 | 285 |
| | 03 | 100.0 | 100.0 | 99.6 | 99.3 | 95.3 | 91.3 | 76.5 | 61.1 | 37.8 | 82.7 | 275 |
| | 04 | 100.0 | 100.0 | 99.3 | 96.5 | 91.5 | 86.6 | 73.9 | 52.1 | 27.1 | 78.8 | 284 |
| | 05 | 100.0 | 100.0 | 99.3 | 96.9 | 93.8 | 86.2 | 74.0 | 55.7 | 30.8 | 79.9 | 289 |
| | 06 | 100.0 | 100.0 | 99.7 | 98.6 | 95.5 | 91.3 | 81.6 | 69.4 | 47.9 | 84.7 | 288 |
| | 07 | 100.0 | 100.0 | 100.0 | 99.7 | 98.6 | 95.5 | 91.3 | 80.8 | 65.4 | 90.2 | 286 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.7 | 98.8 | 96.5 | 93.1 | 85.5 | 71.9 | 50.6 | 86.7 | 2278 |

OCEANAV-SMOS

2

NAVY WEATHER SERVICE DETACHMENT
WHEELER, NORTH CAROLINA

RELATIVE HUMIDITY

44405 MISAWA, JAPAN

73-97

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00 | 100.0 | 100.0 | 99.3 | 98.2 | 94.5 | 87.3 | 75.5 | 54.7 | 35.5 | 80.6 | 307 |
| | 01 | 100.0 | 100.0 | 100.0 | 98.4 | 94.9 | 86.6 | 76.4 | 59.3 | 37.4 | 81.7 | 305 |
| | 02 | 100.0 | 100.0 | 100.0 | 97.4 | 92.9 | 84.5 | 72.7 | 52.0 | 31.9 | 79.4 | 304 |
| | 03 | 100.0 | 100.0 | 95.6 | 87.6 | 74.5 | 55.0 | 40.3 | 27.5 | 16.1 | 65.5 | 298 |
| | 04 | 100.0 | 99.7 | 90.9 | 78.8 | 64.6 | 48.5 | 35.7 | 19.5 | 11.1 | 60.4 | 297 |
| | 05 | 100.0 | 99.3 | 94.0 | 80.3 | 68.3 | 51.0 | 38.0 | 22.7 | 13.3 | 62.0 | 300 |
| | 06 | 100.0 | 100.0 | 95.7 | 90.1 | 77.6 | 66.8 | 54.9 | 31.9 | 19.1 | 69.4 | 304 |
| | 07 | 100.0 | 100.0 | 99.7 | 97.0 | 92.0 | 83.4 | 72.1 | 51.5 | 33.6 | 78.6 | 301 |
| | 08 | | | | | | | | | | | |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| | 13 | | | | | | | | | | | |
| | 14 | | | | | | | | | | | |
| | 15 | | | | | | | | | | | |
| TOTALS | | 100.0 | 99.9 | 96.0 | 91.0 | 82.4 | 70.4 | 58.3 | 39.9 | 24.0 | 72.2 | 2416 |

OCEANAV-SMOS

4447F 4-1-1, JAPAN

73-82

APR

100

STATISTICS NAME: _____

Fig. 9.05

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

OCEANAV-SMOS

2

U.S. WEATHER SERVICE DETACHMENT
 KANAKU, NORTH CAROLINA

RELATIVE HUMIDITY

44475 MTS44A, JAPAN

73-92

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00 | 100.0 | 100.0 | 100.0 | 99.7 | 96.7 | 83.3 | 58.7 | 41.7 | 22.0 | 75.9 | 300 |
| | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 88.2 | 62.8 | 46.3 | 20.9 | 76.8 | 296 |
| | 02 | 100.0 | 100.0 | 100.0 | 99.7 | 98.0 | 87.0 | 62.7 | 42.7 | 19.0 | 76.5 | 300 |
| | 03 | 100.0 | 100.0 | 99.3 | 95.6 | 86.5 | 64.3 | 41.8 | 23.9 | 9.1 | 67.6 | 297 |
| | 04 | 100.0 | 100.0 | 98.0 | 87.5 | 67.3 | 44.8 | 25.9 | 16.8 | 7.4 | 60.3 | 297 |
| | 05 | 100.0 | 100.0 | 98.6 | 86.7 | 70.3 | 51.9 | 27.3 | 17.4 | 8.9 | 62.0 | 293 |
| | 06 | 100.0 | 100.0 | 100.0 | 96.3 | 87.4 | 68.1 | 41.5 | 26.2 | 12.7 | 68.8 | 301 |
| | 07 | 100.0 | 100.0 | 100.0 | 99.0 | 93.7 | 77.8 | 53.0 | 37.4 | 14.6 | 73.4 | 302 |
| | 08 | | | | | | | | | | | |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.5 | 95.6 | 87.3 | 70.7 | 46.7 | 31.6 | 14.2 | 70.2 | 2386 |

OCEANAV-SMOS

2

U.S. NAVY WEATHER BUREAU DETACHMENT
MILITARY AIRCRAFT CARRIER

RELATIVE HUMIDITY

00405 MILITARY, JAPAN

73-72

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 01 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 85.6 | 51.3 | 42.1 | 15.0 | 75.9 | 271 |
| | 02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 89.8 | 67.9 | 43.8 | 15.5 | 76.9 | 265 |
| | 03 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 93.4 | 67.9 | 43.9 | 19.8 | 77.5 | 271 |
| | 04 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 84.0 | 54.2 | 30.9 | 11.1 | 73.1 | 262 |
| | 05 | 100.0 | 100.0 | 100.0 | 98.9 | 85.2 | 63.6 | 38.7 | 20.1 | 6.7 | 66.9 | 269 |
| | 06 | 100.0 | 100.0 | 99.6 | 97.8 | 86.6 | 62.3 | 31.7 | 17.2 | 7.8 | 66.1 | 268 |
| | 07 | 100.0 | 100.0 | 100.0 | 99.6 | 95.6 | 80.7 | 55.5 | 35.8 | 14.6 | 73.6 | 274 |
| | 08 | 100.0 | 100.0 | 100.0 | 99.6 | 98.2 | 85.1 | 58.2 | 38.2 | 13.8 | 75.0 | 275 |
| | 09 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.5 | 95.4 | 80.6 | 54.4 | 34.0 | 13.0 | 73.1 | 2155 |

OCEANAV-SMOS

II

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

1 JANUARY

JANUARY 1973-10 DECEMBER 1982

MARCH

| WIND DIRECTION | WIND DIRECTION | | | | | | | | | | TOTAL
FREQ | TOTAL |
|----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------------|-------|
| | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | | |
| 0-10 | 14.3 | | 14.3 | | | 50.0 | | | | | 5 | .1 |
| 10-20 | 14.3 | | | | | 14.3 | 57.1 | | | | 7 | .3 |
| 20-30 | 7.7 | 2.2 | | 4.4 | 11.1 | 24.6 | 40.0 | 11.1 | | | 42 | 1.8 |
| 30-40 | 4.4 | | 2.2 | 11.0 | 13.2 | 23.1 | 28.6 | 17.6 | | | 61 | 3.0 |
| 40-50 | 4.6 | 2.3 | 3.5 | 16.6 | 9.3 | 13.1 | 28.2 | 21.2 | 1.2 | | 259 | 11.2 |
| 50-60 | 6.0 | 2.6 | 7.0 | 18.5 | 9.1 | 10.2 | 20.6 | 24.0 | 1.9 | | 529 | 22.9 |
| 60-70 | 6.5 | 3.2 | 7.4 | 11.0 | 7.6 | 9.0 | 31.7 | 19.3 | 4.3 | | 725 | 31.4 |
| 70-80 | 4.2 | 1.5 | 3.6 | 1.5 | 5.2 | 20.8 | 45.3 | 14.9 | 3.1 | | 477 | 20.7 |
| 80-90 | 1.7 | | 5.0 | | 3.9 | 22.2 | 54.9 | 10.5 | 5.2 | | 153 | 6.6 |
| 90-100 | | | | | | 55.7 | 40.0 | 5.0 | | | 20 | .9 |
| TOTAL | 7.2 | 2.2 | 5.3 | 10.4 | 7.6 | 14.3 | 33.3 | 18.7 | 2.9 | | 2308 | 100.0 |

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

JANUARY 1973-DECEMBER 1982

MAY

| WIND DIRECTION | | | | | | | | | | |
|-------------------|------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|
| WIND
DIRECTION | 0-5
KTS | 6-10
KTS | 11-15
KTS | 16-20
KTS | 21-25
KTS | 26-30
KTS | 31-35
KTS | 36-40
KTS | 41-45
KTS | TOTAL
1973-1982 |
| 0-30 | 6.7 | 13.3 | 26.7 | 6.7 | 6.7 | 13.3 | 100.0 | | | 100.0 |
| 31-60 | 9.9 | | 9.9 | 11.3 | 5.6 | 26.8 | 22.5 | 14.1 | | 15.7 |
| 61-90 | 7.5 | 1.2 | 10.6 | 11.2 | 8.1 | 22.4 | 23.0 | 16.1 | | 71.1 |
| 91-120 | 4.6 | 2.7 | 13.2 | 12.9 | 9.7 | 18.3 | 19.8 | 14.0 | .8 | 25.7 |
| 121-150 | 6.5 | 4.4 | 11.5 | 19.8 | 8.2 | 15.1 | 16.2 | 15.1 | 2.7 | 16.0 |
| 151-180 | 7.6 | 5.3 | 15.4 | 19.3 | 7.0 | 10.1 | 13.5 | 16.0 | 5.6 | 22.5 |
| 181-210 | 4.1 | 5.4 | 11.4 | 18.6 | 5.8 | 9.6 | 20.8 | 10.6 | 9.4 | 24.3 |
| 211-240 | 4.0 | 3.9 | 19.6 | 22.4 | 3.2 | 11.7 | 16.0 | 10.7 | 6.4 | 28.1 |
| 241-270 | 1.7 | 6.9 | 20.7 | 17.2 | 3.4 | 13.4 | 20.7 | 6.9 | 8.6 | 2.5 |
| TOTALS | 7.4 | 4.4 | 13.7 | 17.4 | 6.7 | 13.4 | 18.1 | 13.3 | 5.1 | 227 |

MAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

JAN. A. Y. 1973-DECEMBER 1982

JUNE

| WIND DIRECTION | WIND DIRECTION | | | | | | | | | | TOTAL |
|----------------|----------------|------|------|------|------|------|------|------|------|------|-------|
| | N | NE | E | SE | S | SW | W | NW | N | NE | |
| 0-10 | | | | | | | | | | | |
| 11-20 | | | | | | | | | | | |
| 21-30 | | | | | | | | | | | |
| 31-40 | | | | | | | | | | | |
| 41-50 | | | | | | | | | | | |
| 51-60 | | | | | | | | | | | |
| 61-70 | | | | | | | | | | | |
| 71-80 | | | | | | | | | | | |
| 81-90 | | | | | | | | | | | |
| 91-100 | | | | | | | | | | | |
| TOTAL | 10.3 | 19.2 | 19.2 | 5.6 | 17.6 | 28.0 | 4.0 | 12.5 | 6.7 | 12.5 | 100.0 |
| 0-10 | 4.0 | 2.5 | 19.0 | 19.0 | 7.0 | 13.5 | 16.0 | 9.5 | 4.5 | 2.0 | 9.5 |
| 11-20 | 4.0 | 4.0 | 25.4 | 32.9 | 7.4 | 6.2 | 6.7 | 7.4 | 4.6 | 4.1 | 19.3 |
| 21-30 | 0.2 | 6.5 | 25.5 | 36.5 | 4.3 | 2.4 | 5.5 | 6.2 | 7.9 | 6.4 | 32.2 |
| 31-40 | 1.5 | 6.4 | 24.8 | 33.6 | 5.1 | 2.9 | 5.1 | 6.1 | 9.4 | 5.0 | 23.6 |
| 41-50 | 1.2 | 6.7 | 23.0 | 39.4 | 3.0 | 4.8 | 13.3 | 7.3 | 4.2 | 14.5 | 7.6 |
| 51-60 | 12.0 | | | 25.0 | | 25.0 | 12.5 | | 25.0 | | 100.0 |
| TOTAL | 5.0 | 5.7 | 23.9 | 32.0 | 5.2 | 5.9 | 9.0 | 6.6 | 6.3 | 21.5 | 100.0 |

NAVWEASERVCOM

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

4, JAN 82

JANUARY 1973-DECEMBER 1982

JULY

| WIND DIRECTION | | | | | | | | | | | |
|-------------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| WIND
DIRECTION | 0-9
KTS | 10-19
KTS | 20-29
KTS | 30-39
KTS | 40-49
KTS | 50-59
KTS | 60-69
KTS | 70-79
KTS | 80-89
KTS | 90-99
KTS | TOTAL
(KTS) |
| 0-9 | | | | | | | | | | | |
| 10-19 | | | | | | | | | | | |
| 20-29 | | | | | | | | | | | |
| 30-39 | | | | | | | | | | | |
| 40-49 | | | | | | | | | | | |
| 50-59 | | | | | | | | | | | |
| 60-69 | | | | | | | | | | | |
| 70-79 | | | | | | | | | | | |
| 80-89 | | | | | | | | | | | |
| 90-99 | | | | | | | | | | | |
| TOTAL | 4.0 | 5.7 | 2.8 | 28.6 | 7.6 | 7.7 | 9.0 | 3.3 | 7.9 | 2245 | 100.0 |

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

JAPAN

JANUARY 1973-DECEMBER 1987

AUGUST

| WIND DIRECTION | | | | | | | | | | | |
|----------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| WIND DIRECTION | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | TOTAL |
| 0-9 | | | | | | | | | | | |
| 10-19 | | | | | | | | | | | |
| 20-29 | | | | | | | | | | | |
| 30-39 | | | | | | | | | | | |
| 40-49 | | | | | | | | | | | |
| 50-59 | | | | | | | | | | | |
| 60-69 | | | | | | | | | | | |
| 70-79 | | | | | | | | | | | |
| 80-89 | | | | | | | | | | | |
| 90-99 | | | | | | | | | | | |
| TOTALS | 4.1 | 4.2 | 17.0 | 27.6 | 8.6 | 11.2 | 14.1 | 6.8 | 5.3 | 2295 | 100.0 |

NAVWEASERVCON

JANUARY 1973-DECEMBER 1982 SEPTEMBER

NAYWEASERV.COM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

JANUARY 1973-DECEMBER 1982

OCTOBER

| WIND DIRECTION | | | | | | | | | | | |
|----------------|---------|----------|--------|----------|---------|----------|---------|----------|----------|--------|---------------|
| | NE
A | NNE
A | E
A | ESE
A | SE
A | SSE
A | SW
A | WSW
A | WNW
A | W
A | TOTAL
FREQ |
| 1.3 | | | 1.3 | 3.4 | 10.3 | 24.1 | 27.7 | 17.2 | 3.4 | 2.9 | 1.3 |
| 1.3 | | 2.7 | 7.1 | 22.1 | 11.5 | 9.7 | 15.9 | 17.7 | | 11.3 | 4.9 |
| 5.5 | | 3.2 | 7.4 | 20.5 | 16.3 | 13.4 | 17.1 | 14.5 | 2.1 | 38.1 | 16.5 |
| 5.7 | | 3.3 | 4.5 | 12.6 | 14.3 | 20.0 | 19.8 | 16.9 | 3.1 | 49.1 | 21.4 |
| 4.4 | | 1.6 | 2.9 | 5.7 | 12.0 | 24.5 | 27.9 | 17.5 | 3.5 | 54.8 | 23.8 |
| 4.3 | | 1.2 | .7 | 1.2 | 7.4 | 37.5 | 41.7 | 11.0 | 2.1 | 42.0 | 19.3 |
| 2.7 | | .4 | .8 | .4 | 6.2 | 38.5 | 41.6 | 8.6 | .8 | 25.7 | 11.2 |
| | | | | | 9.0 | 34.0 | 48.0 | 6.0 | 4.0 | 5.0 | 2.2 |
| | | | | | | 22.2 | 55.6 | | 22.2 | .9 | .4 |
| | | | | | | | 100.0 | | | 1 | .0 |
| TOTAL | 5.0 | 2.0 | 3.6 | 8.8 | 11.5 | 23.8 | 28.3 | 14.4 | 2.5 | 2298 | 100.0 |

NAVWEASERVCOM

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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

JANUARY 1973-DECEMBER 1972 NOVEMBER

WIND DIRECTION

| | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | TOTAL
FREQ. | TOTAL |
|--|------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|
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NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION

JANUARY 1973-DECEMBER 1982 DECEMBER

WIND DIRECTION

| WIND DIRECTION | | | | | | | | | | CALM | TOTAL
FREQ. | TOTAL
SPEED |
|----------------|-------|-------|--------|---------|---------|---------|---------|---------|-----|------|----------------|----------------|
| 0-30 | 31-60 | 61-90 | 91-120 | 121-150 | 151-180 | 181-210 | 211-240 | 241-270 | | | | |
| | | | | | 50.0 | 50.0 | | | | | | |
| | | | | | 25.0 | 25.0 | | | | | | |
| 5.4 | 2.7 | 2.7 | 2.7 | 18.9 | 27.0 | 24.3 | 13.5 | 2.7 | 37 | 1.0 | | |
| 7.4 | 2.5 | .9 | 4.7 | 28.3 | 18.9 | 11.3 | 21.7 | 1.9 | 176 | 4.0 | | |
| 1.2 | .7 | .4 | 1.6 | 16.3 | 26.5 | 26.5 | 24.1 | 2.4 | 245 | 1.0 | | |
| .1 | .8 | 1.8 | 1.3 | 9.2 | 24.3 | 37.6 | 16.8 | 2.7 | 511 | 21.9 | | |
| .5 | .5 | 1.4 | .8 | 7.2 | 16.2 | 44.7 | 21.4 | 2.3 | 622 | 26.7 | | |
| 2.4 | .2 | .2 | .6 | 3.9 | 16.0 | 51.7 | 22.6 | 2.6 | 544 | 23.1 | | |
| .9 | | | | 1.7 | 13.5 | 61.0 | 23.0 | .9 | 230 | 9.4 | | |
| 3.0 | | | | 3.6 | 14.3 | 71.4 | 7.1 | | 29 | 1.2 | | |
| | | | | | 100.0 | | | | 1 | .0 | | |
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NAVWEASERVCOM

PART F

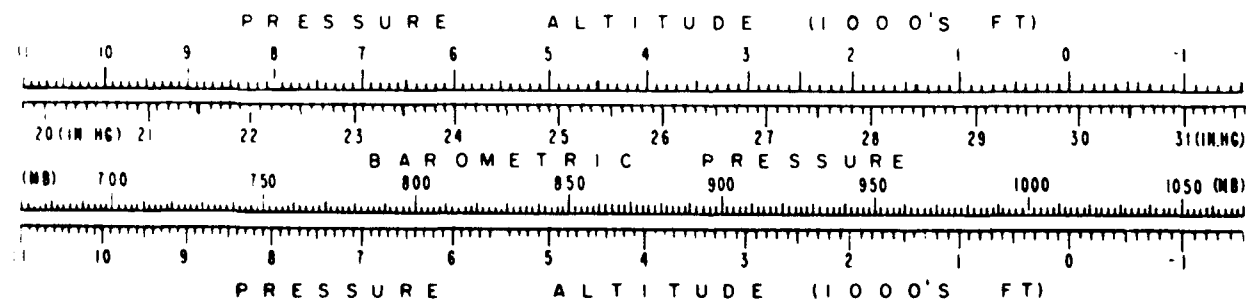
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight regularly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1964 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| MEAN | .766 | .814 | .819 | .758 | .737 | .683 | .694 | .682 | .799 | .846 | .891 | .870 | 29.777 |
| S.D. | .218 | .202 | .234 | .220 | .195 | .156 | .117 | .146 | .156 | .240 | .253 | .223 | .210 |
| TOTAL OBS | 302 | 272 | 299 | 288 | 307 | 286 | 305 | 303 | 295 | 303 | 297 | 302 | 3562 |
| MEAN | .763 | .811 | .822 | .784 | .723 | .679 | .681 | .673 | .782 | .838 | .880 | .863 | 29.770 |
| S.D. | .222 | .203 | .235 | .222 | .197 | .160 | .117 | .149 | .162 | .240 | .254 | .221 | .213 |
| TOTAL OBS | 296 | 267 | 296 | 284 | 306 | 285 | 300 | 304 | 291 | 303 | 299 | 297 | 3528 |
| MEAN | .761 | .795 | .821 | .786 | .735 | .695 | .696 | .687 | .79 | .844 | .893 | .833 | 29.778 |
| S.D. | .201 | .204 | .242 | .229 | .201 | .162 | .122 | .153 | .168 | .236 | .256 | .219 | .214 |
| TOTAL OBS | 301 | 275 | 300 | 292 | 304 | 285 | 299 | 306 | 297 | 304 | 294 | 304 | 3561 |
| MEAN | .753 | .823 | .828 | .793 | .739 | .695 | .697 | .697 | .807 | .873 | .896 | .854 | 29.791 |
| S.D. | .224 | .206 | .249 | .237 | .202 | .157 | .122 | .151 | .171 | .241 | .264 | .223 | .219 |
| TOTAL OBS | 293 | 266 | 300 | 294 | 296 | 275 | 293 | 294 | 299 | 297 | 289 | 302 | 3480 |
| MEAN | .751 | .787 | .809 | .761 | .721 | .686 | .688 | .674 | .784 | .834 | .861 | .827 | 29.766 |
| S.D. | .219 | .201 | .232 | .229 | .203 | .159 | .121 | .150 | .166 | .231 | .260 | .219 | .212 |
| TOTAL OBS | 300 | 270 | 297 | 292 | 297 | 284 | 300 | 302 | 297 | 307 | 295 | 303 | 3544 |
| MEAN | .749 | .768 | .783 | .744 | .702 | .675 | .673 | .659 | .754 | .830 | .858 | .817 | 29.751 |
| S.D. | .214 | .198 | .225 | .225 | .191 | .158 | .117 | .153 | .157 | .227 | .256 | .216 | .208 |
| TOTAL OBS | 305 | 270 | 294 | 288 | 300 | 289 | 300 | 301 | 290 | 302 | 295 | 302 | 3536 |
| MEAN | .768 | .790 | .803 | .764 | .712 | .675 | .679 | .671 | .77 | .834 | .858 | .825 | 29.762 |
| S.D. | .19 | .200 | .225 | .222 | .194 | .154 | .115 | .149 | .152 | .235 | .261 | .218 | .209 |
| TOTAL OBS | 302 | 274 | 300 | 291 | 304 | 288 | 302 | 304 | 295 | 306 | 295 | 306 | 3567 |
| MEAN | .779 | .811 | .827 | .797 | .745 | .700 | .701 | .694 | .789 | .848 | .893 | .870 | 29.783 |
| S.D. | .218 | .203 | .230 | .220 | .190 | .150 | .113 | .148 | .163 | .246 | .259 | .223 | .210 |
| TOTAL OBS | 300 | 277 | 302 | 294 | 301 | 286 | 301 | 304 | 295 | 302 | 291 | 303 | 3546 |
| ALL HOURS | MEAN | .765 | .796 | .812 | .77 | .727 | .686 | .689 | .68 | .784 | .843 | .879 | 29.772 |
| S.D. | .219 | .202 | .234 | .226 | .197 | .157 | .118 | .151 | .162 | .237 | .258 | .220 | .212 |
| TOTAL OBS | 2402 | 2171 | 2388 | 2303 | 2417 | 2278 | 2400 | 2418 | 2399 | 2424 | 2355 | 2419 | 28324 |

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